

EXHIBIT C1**PG&E Corporation and PG&E Company, et.al.****Case No. 19-30088**

Asset Management Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Rate	Amount
Phillip Prombo	06/01/19	Perform research regarding Tableau best practices for dashboard creation / performance when loading large data sets to Tableau Server as well as the overall Dashboard environment. (.3) Update the dashboard documentation in advance of providing to D. Gallo (KPMG) for review. (.3)	0.6	\$ 400.00	\$ 240.00
Phillip Prombo	06/01/19	Perform dashboard testing, concurrently preparing scoping questions. (1.0). Prepare further documentation along with design suggestion for dashboards (.8) Review questions / the scope of the different users / types of data in order to set up the dashboards (.6)	2.4	\$ 400.00	\$ 960.00
Cole Gallagher	06/02/19	Incorporate updated vectorization into the code to eliminate looping on specified number of iterations.	0.4	\$ 325.00	\$ 130.00
Tom Schenk	06/02/19	Follow-up with C. Gallagher (KPMG) regarding Tableau visualization of model outputs.	0.4	\$ 435.00	\$ 174.00
Cole Gallagher	06/02/19	Update risk score calculations to output risk score for each consequence rather than aggregated for each.	0.6	\$ 325.00	\$ 195.00
Kyle McNamara	06/02/19	Prepared analysis, as of 6/2, to respond to progress request from S. Singh (PG&E).	0.6	\$ 435.00	\$ 261.00
Kyle McNamara	06/02/19	Director assessment of vegetation study progress to date to provide to A. Mani (KPMG) for ultimate communication to client.	0.8	\$ 435.00	\$ 348.00
Gustavo Garcia	06/02/19	Developed slides to support the test criteria for the risk scoring spreadsheet	1.3	\$ 275.00	\$ 357.50
Kyle McNamara	06/02/19	Updated schedules / budgets, as of 6/2, to reflect changes approved by S. Singh (PG&E).	1.3	\$ 435.00	\$ 565.50
Cy Whitten	06/03/19	Draft email to K. Caron (KPMG) regarding timing needs to make updates to substation driver file.	0.2	\$ 325.00	\$ 65.00
Adrian Irwin	06/03/19	Preparing a PG&E logo graphic for use on the pixel-perfect UI interface.	0.2	\$ 325.00	\$ 65.00
Cole Gallagher	06/03/19	Update unit testing code to reflect most up-to-date version on main codebase.	0.2	\$ 325.00	\$ 65.00
Kirk-Patrick Caron	06/03/19	Prepare list of the discussion topics for daily status check-in call with PG&E.	0.2	\$ 400.00	\$ 80.00
Cy Whitten	06/03/19	Reviewed substation driver population file provided by K. Caron (KPMG).	0.3	\$ 325.00	\$ 97.50
Dennis Cha	06/03/19	Communication via email regarding DE tag data source integrity and filtering / segmentation QA / QC with B. Wei (KPMG).	0.4	\$ 275.00	\$ 110.00
Dennis Cha	06/03/19	Discussion regarding EC tag funding in AMS project scope with J.C. Mathieson (PG&E) and M. Bowser (KPMG).	0.4	\$ 275.00	\$ 110.00
Phillip Prombo	06/03/19	Continue, as of 06/03/19, to create/proof the documentation with information for D. Gallo (KPMG).	0.3	\$ 400.00	\$ 120.00
Phillip Prombo	06/03/19	Document Task 3 dashboard designs to incorporate into project.	0.3	\$ 400.00	\$ 120.00
Kirk-Patrick Caron	06/03/19	Draft email to C. Whitten (KPMG) regarding completion of task 3 project work to gather Substation driver / subdriver frequency.	0.3	\$ 400.00	\$ 120.00

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Name	Date	Description	Hours	Rate	Amount
Cy Whitten	06/03/19	.3 Reviewed feedback from K. McNamara (KPMG) in response to questions sent to him related to budget tracking workbook to present status to PG&E.; .1 Draft email with budget tracking workbook to present status to PG&E / D. Ross (KPMG) for updates to T1 projections.	0.4	\$ 325.00	\$ 130.00
Adrian Irwin	06/03/19	Web Application Development Meeting with A. Irwin, C. Toribio, and M. Martin (KPMG) to discuss outstanding items / next steps as of 06/03/19.	0.4	\$ 325.00	\$ 130.00
Carlo Toribio	06/03/19	Web Application Development Meeting with A. Irwin, C. Toribio, and M. Martin (KPMG) to discuss outstanding items / next steps as of 06/03/19.	0.4	\$ 325.00	\$ 130.00
Matthew Bowser	06/03/19	Discussion regarding EC tag funding in AMS project scope with J.C. Mathieson (PG&E) and D. Cha (KPMG).	0.4	\$ 325.00	\$ 130.00
Carlo Toribio	06/03/19	Communication via email regarding review comments, as of 6/3, with respect to initial code with A. Irwin (KPMG).	0.4	\$ 325.00	\$ 130.00
Cy Whitten	06/03/19	Communication with K. McNamara (KPMG) regarding updates to budget tracking workbook, as of 6/3, to present status to PG&E.	0.4	\$ 325.00	\$ 130.00
Preston Devaney	06/03/19	Meeting between C. Gallagher and P. Devaney (KPMG) to establish code check-in procedures and test bitbucket-local repository communication.	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/03/19	Attended AMS leadership update with S. Singh, M. Pender, M. Esguerra, J.C. Mathieson, A. Branches, J. Yan (PG&E) to discuss progress updates on EO work re-prioritization effort, especially regarding Distribution E tags in Tier 3 areas that now have a CPUC-defined 6 month due date.	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/03/19	Drafted 5-minute meeting announcement content which served as a mass notification on EC Optimization process / its impact to the business operations across all Electrical Operations per J.C. Mathieson's (PG&E) request.	0.5	\$ 275.00	\$ 137.50
Preston Devaney	06/03/19	Reviewed the mockup input template provided by PG&E to prepare for meetings involving the optimal structure of the user input file.	0.5	\$ 275.00	\$ 137.50
Mark Martin	06/03/19	Web Application Development Meeting with A. Irwin, C. Toribio, and M. Martin (KPMG) to discuss outstanding items / next steps as of 06/03/19.	0.4	\$ 400.00	\$ 160.00
Phillip Prombo	06/03/19	Perform Dashboard Data Scoping, concurrently noting what different views will be needed for the users.	0.4	\$ 400.00	\$ 160.00
Kirk-Patrick Caron	06/03/19	Update EO_Data_Roadmap file to capture file source for D. Pant (PG&E).	0.4	\$ 400.00	\$ 160.00
Cole Gallagher	06/03/19	Meeting between C. Gallagher and P. Devaney (KPMG) to establish code check-in procedures and test bitbucket-local repository communication.	0.5	\$ 325.00	\$ 162.50

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Cole Gallagher	06/03/19	Investigate effects of setting seed once for each case in simulation function to determine proper seeding procedures.	0.5	\$ 325.00	\$ 162.50
Cole Gallagher	06/03/19	Update git branching issues, concurrently re-pushing most updated code for consumption by client.	0.5	\$ 325.00	\$ 162.50
Preston Devaney	06/03/19	Attend call with T. Schenk, C. Gallagher, and P. Devaney (KPMG) to discuss weekly development activities as well as open items as of 06/03/19.	0.6	\$ 275.00	\$ 165.00
Preston Devaney	06/03/19	Attend Task 3 PG&E check-in call with C. Gallagher, K. Caron, P. Devaney, A. Irwin (KPMG), B. Wong, R. Shepherd (PG&E) to discuss input file, yearly extrapolation of input data, sub driver aggregation, environmental consequence calculation.	0.6	\$ 275.00	\$ 165.00
Dennis Cha	06/03/19	Segmented DE tag data into smaller size dataset for retrieving completion status of tags, per P. McCabe's (PG&E) request.	0.6	\$ 275.00	\$ 165.00
Kyle McNamara	06/03/19	Prepared weekly status report as of 6/3 for team leads to complete in preparation for updates to PG&E.	0.4	\$ 435.00	\$ 174.00
Cole Gallagher	06/03/19	Attend call with T. Schenk, C. Gallagher, and P. Devaney (KPMG) to discuss weekly development activities as well as open items as of 06/03/19.	0.6	\$ 325.00	\$ 195.00
Cole Gallagher	06/03/19	Attend Task 3 PG&E check-in call with C. Gallagher, K. Caron, P. Devaney, A. Irwin (KPMG), B. Wong, R. Shepherd (PG&E) to discuss input file, yearly extrapolation of input data, sub driver aggregation, environmental consequence calculation.	0.6	\$ 325.00	\$ 195.00
Adrian Irwin	06/03/19	Attend Task 3 PG&E check-in call with C. Gallagher, K. Caron, P. Devaney, A. Irwin (KPMG), B. Wong, R. Shepherd (PG&E) to discuss input file, yearly extrapolation of input data, sub driver aggregation, environmental consequence calculation.	0.6	\$ 325.00	\$ 195.00
Jason Weng	06/03/19	Attend additional daily EC Tag assignment call led by G. Race (PG&E) to further discuss use of Tableau dashboard and any additional ad hoc reports required.	0.6	\$ 325.00	\$ 195.00
Jason Weng	06/03/19	Attended daily EC Tag assignment call led by G. Race (PG&E) and Internal Estimating & Design supervisor team: Supported use of Tableau dashboards well as any additional ad hoc reports required.	0.6	\$ 325.00	\$ 195.00
Jason Weng	06/03/19	Meeting with M. Agarwal (PG&E) to discuss roles in data analysis as requested by S. Cullings (PG&E) for report out.	0.6	\$ 325.00	\$ 195.00
Cole Gallagher	06/03/19	Extract / merge P. Devaney's (KPMG) code to local repository to test bitbucket pull functionality.	0.6	\$ 325.00	\$ 195.00
Cole Gallagher	06/03/19	Incorporate hardcoded versions of code to repository to facilitate easier unit testing by eliminating use inputs.	0.6	\$ 325.00	\$ 195.00

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Kirk-Patrick Caron	06/03/19	Call with K. McNamara (KPMG) to discuss Task 3 progress and priorities as of 6/3	0.5	\$ 400.00	\$ 200.00
Mark Ehrhardt	06/03/19	Met with B. Wong, R. Shepherd and S. Sohail (PG&E) and M. Ehrhardt (KPMG) - Afternoon session: Discussion regarding Cross Cutters Tableau dashboards and marking up the sketch files live with iterations of the data visuals. (partial attendance)	0.5	\$ 435.00	\$ 217.50
Kyle McNamara	06/03/19	Call with K. Caron (KPMG) to discuss Task 3 progress and priorities as of 6/3	0.5	\$ 435.00	\$ 217.50
Kyle McNamara	06/03/19	Call with B. Wong, R. Shepherd (PG&E) to discuss input file, yearly extrapolation of input data, sub driver aggregation, environmental consequence calculation.	0.5	\$ 435.00	\$ 217.50
Dennis Cha	06/03/19	Discussion regarding progress updates on data received by B&V, further data visualization needed, and internal resourcing for future visualization for formal engineering review with J.C. Mathieson (PG&E).	0.8	\$ 275.00	\$ 220.00
Preston Devaney	06/03/19	Perform testing over the Python code to find ways to incorporate seeding into the current code.	0.8	\$ 275.00	\$ 220.00
Kirk-Patrick Caron	06/03/19	Attend Task 3 PG&E check-in call with C. Gallagher, K. Caron, P. Devaney, A. Irwin (KPMG), B. Wong, R. Shepherd (PG&E) to discuss input file, yearly extrapolation of input data, sub driver aggregation, environmental consequence calculation.	0.6	\$ 400.00	\$ 240.00
Kirk-Patrick Caron	06/03/19	Prepare draft meeting agenda for Model Code team's meeting with PG&E on Friday	0.6	\$ 400.00	\$ 240.00
Gustavo Garcia	06/03/19	Meeting with M. Bowser (KPMG) to discuss risk scoring progress.	0.9	\$ 275.00	\$ 247.50
Matthew Bowser	06/03/19	Review AMS EC Optimization Program operational work plan developed by D. Cha (KPMG) to provide comments for additional development.	0.8	\$ 325.00	\$ 260.00
Matthew Bowser	06/03/19	Review ECOP Engineering Review procedure revisions from J. Liacos (KPMG).	0.8	\$ 325.00	\$ 260.00
Tom Schenk	06/03/19	Attend call with T. Schenk, C. Gallagher, and P. Devaney (KPMG) to discuss weekly development activities as well as open items as of 06/03/19.	0.6	\$ 435.00	\$ 261.00
Kyle McNamara	06/03/19	Drafted agenda for Friday's code review.	0.6	\$ 435.00	\$ 261.00
Preston Devaney	06/03/19	Update the unit testing code to test 6 additional functions, concurrently pushing all updated code to the bitbucket repository.	1.0	\$ 275.00	\$ 275.00
Kirk-Patrick Caron	06/03/19	Incorporate model code files to PG&E's bitbucket data repository.	0.7	\$ 400.00	\$ 280.00
Matthew Bowser	06/03/19	Meeting with G. Gustavo (KPMG) to discuss risk scoring progress.	0.9	\$ 325.00	\$ 292.50
Matthew Bowser	06/03/19	PG&E Task 2 Review/next steps discussion as of 6/3 with S. Stoddard (KPMG).	0.9	\$ 325.00	\$ 292.50
Dennis Cha	06/03/19	Follow-up discussion with P. McCabe, J. Birch, J.C. Mathieson (PG&E) for status update recap and weekly status update report reminder.	1.1	\$ 275.00	\$ 302.50

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Gustavo Garcia	06/03/19	Follow-up with J. Birch (PG&E) regarding efforts to receive filter criteria for EC Tag data collecting insights from	1.1	\$ 275.00	\$ 302.50
Kyle McNamara	06/03/19	Call with A. Mani (KPMG) to review AMS status report as of 6/3 prior to communication to PG&E	0.7	\$ 435.00	\$ 304.50
Daniel Elmlad	06/03/19	.3 - Met with PG&E team members (D. Nguyen and J. Tong) to develop information necessary for response to JXXX 0YY QZ; .7 - Follow-up with N. Moran and M. Pender (PG&E) to refine responses for TURN 018 Q5, 7, and 9	1.0	\$ 325.00	\$ 325.00
Matthew Bowser	06/03/19	Attend AMS operations huddle led by J. Nimick (PG&E) for status as of 06/03/19.	1.1	\$ 325.00	\$ 357.50
Matthew Bowser	06/03/19	Attend check in call for Work Execution PMO team led by S. Cullings (PG&E) with J. Weng (KPMG).	1.2	\$ 325.00	\$ 390.00
Jason Weng	06/03/19	Attend team check in call for Work Execution PMO team led by S. Cullings (PG&E) with M. Bowser (KPMG).	1.2	\$ 325.00	\$ 390.00
Scott Stoddard	06/03/19	PG&E Task 2 Review/next steps discussion as of 6/3 with M. Bowser (KPMG).	0.9	\$ 435.00	\$ 391.50
Kyle McNamara	06/03/19	Drafted deck for June 5 status meeting for review by A. Mani (KPMG) for ultimate communication to PG&E	0.9	\$ 435.00	\$ 391.50
Kyle McNamara	06/03/19	Updated AMS status report with comments from A. Mani (KPMG) as of 6/3 for ultimate communication to PG&E	0.9	\$ 435.00	\$ 391.50
Gustavo Garcia	06/03/19	Analysis session with D. Cha (KPMG) regarding revised Alteryx workflow for in-scope tag volume / details for pole integrity assessment.	1.5	\$ 275.00	\$ 412.50
Dennis Cha	06/03/19	Analysis session with G. Garcia (KPMG) regarding revised Alteryx workflow for in-scope tag volume / details for pole integrity assessment.	1.5	\$ 275.00	\$ 412.50
Cole Gallagher	06/03/19	Incorporate support for risk spend efficiency calculations for mean case / tail average case.	1.3	\$ 325.00	\$ 422.50
Matthew Bowser	06/03/19	Discussion regarding three-week look ahead plan, actions and risks with J.C. Mathieson (PG&E) relating to EC Optimization Program via teleconference focusing on Governance / monitoring related to Engineering reviews.	1.4	\$ 325.00	\$ 455.00
Jason Weng	06/03/19	Update, as of 06/03/19, the draft of the overall AMS progress Tableau dashboard with current EC data, concurrently adjusting based on reporting discrepancy.	1.4	\$ 325.00	\$ 455.00
Adrian Irwin	06/03/19	Perform code review as of 6/3 over pixel-perfect login view.	1.4	\$ 325.00	\$ 455.00
Cole Gallagher	06/03/19	Review input sheet for questions or concerns in advance of input sheet review with PG&E team.	1.4	\$ 325.00	\$ 455.00
Scott Stoddard	06/03/19	Perform PG&E Task 2 review in preparation for discussion with M. Bowser (KPMG) regarding next steps	1.1	\$ 435.00	\$ 478.50
Kirk-Patrick Caron	06/03/19	Meeting with K. Caron (KPMG), D. Pant and P. Mackey (PG&E) to discuss EO Risk data files, sourcing, clean-up, and related document.	1.3	\$ 400.00	\$ 520.00

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Adrian Irwin	06/03/19	Began documenting database / serverless integration points with PG&E IT (1.5), and email to N. Wong (PG&E) (.1).	1.6	\$ 325.00	\$ 520.00
Dennis Cha	06/03/19	Draft the Alteryx workflow Tier 3 Priority E tag forecast for tag review / execution by iteratively aggregating / processing sets of assumptions around tag review / execution durations (1.0), and EC Optimization capacity (1.0).	2.0	\$ 275.00	\$ 550.00
Kyle McNamara	06/03/19	Updated project forecast workbook, as of 6/3, to reflect revised figures from the team.	1.3	\$ 435.00	\$ 565.50
Matthew Bowser	06/03/19	Develop Pole Integrity Risk Assessment testing spreadsheet for J. Birch (PG&E).	1.8	\$ 325.00	\$ 585.00
Dennis Cha	06/03/19	Draft the Alteryx workflow Tier 3 Priority E tag forecast for tag review / execution by iteratively aggregating / processing DE inspection records (.7), HFTD Tier 2 / Tier 3 circuit risk ranking, (.8) EC Optimization tag review sequence (.7).	2.2	\$ 275.00	\$ 605.00
Kirk-Patrick Caron	06/03/19	Update EBRR Master File to capture prior period AMP references / related risk ID.	1.6	\$ 400.00	\$ 640.00
Jason Weng	06/03/19	Update, as of 06/03/19, the analysis of ER notification data set based on feedback from J. Mathieson (PG&E).	2.2	\$ 325.00	\$ 715.00
Jason Weng	06/03/19	Validated data used for preliminary overall AMS progress Tableau dashboard.	2.4	\$ 325.00	\$ 780.00
Jack Liacos	06/03/19	Perform final revisions to the EC Optimization Procedure prior to submittal to PG&E.	3.0	\$ 275.00	\$ 825.00
Gustavo Garcia	06/03/19	Update, as of 06/03/19, the draft of the risk scoring spreadsheet for pole integrity focusing the processing of various formulas as well as the alteration of formulas for accuracy in intended logic.	3.0	\$ 275.00	\$ 825.00
Aldryn Estacio	06/03/19	Met with B. Wong, R. Shepherd and S. Sohai (PG&E) and M. Ehrhardt (KPMG): End of Day - focusing on the line of business Tableau flows / white boarded the scenarios.	2.2	\$ 400.00	\$ 880.00
Kirk-Patrick Caron	06/03/19	Update, as of 06/03/19, the EBRR Master File with substation details.	2.3	\$ 400.00	\$ 920.00
Gustavo Garcia	06/03/19	Continue, from earlier in the day, to update the draft of the risk scoring spreadsheet for pole integrity focusing the processing of various formulas as well as the alteration of formulas for accuracy in intended logic.	3.4	\$ 275.00	\$ 935.00
Mark Ehrhardt	06/03/19	Met with B. Wong, R. Shepherd and S. Sohai (PG&E) and A. Estacio (KPMG) - End of Day: focusing on the line of business Tableau flows / white boarded the scenarios.	2.2	\$ 435.00	\$ 957.00
Cy Whitten	06/03/19	Update, as of 06/03/19, the budget tracking workbook to present status to PG&E with feedback from K. McNamara's (KPMG) email regarding updates to T1 projected hours / insight into T2 variance.	3.0	\$ 325.00	\$ 975.00

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Aldryn Estacio	06/03/19	Met with B. Wong, R. Shepherd and S. Sohail (PG&E) and M. Ehrhardt (KPMG) - Afternoon session: Discussion regarding Cross Cutters Tableau dashboards and marking up the sketch files live with iterations of the data visuals.	2.5	\$ 400.00	\$ 1,000.00
Carlo Toribio	06/03/19	Continue, as of 06/03/19, to update the login page details for the web-based risk model	3.4	\$ 325.00	\$ 1,105.00
Carlo Toribio	06/03/19	Collaborate with A. Irwin (KPMG) to develop pixel-perfect code (markup and styles) for the login view for the web-based risk model	3.8	\$ 325.00	\$ 1,235.00
Adrian Irwin	06/03/19	Collaborate with C. Toribio (KPMG) to develop pixel-perfect code (markup and styles) for the login view for the web-based risk model	3.8	\$ 325.00	\$ 1,235.00
Aldryn Estacio	06/03/19	Met with B. Wong, R. Shepherd and S. Sohail (PG&E), M. Ehrhardt (KPMG) - Morning session: Discussion regarding the Tableau dashboard with R. Shepherd (PG&E Investment Planner) to review the current designs and what interacts with using RIBA charts.	3.3	\$ 400.00	\$ 1,320.00
Mark Martin	06/03/19	Start creating CSS code files to initiate rough styling for the Project view.	3.4	\$ 400.00	\$ 1,360.00
Mark Ehrhardt	06/03/19	Met with B. Wong, R. Shepherd and S. Sohail (PG&E), A. Estacio (KPMG) - Morning session: Discussion regarding the Tableau dashboard with R. Shepherd (PG&E Investment Planner) to review the current designs and what interacts with using RIBA charts.	3.3	\$ 435.00	\$ 1,435.50
Mark Martin	06/03/19	Creating header portion of the Project View component including creating the HTML files (2.9) and embedded JavaScript (1.6).	4.5	\$ 400.00	\$ 1,800.00
David Ross	06/03/19	.3 prepare for meeting with J. Thalman (PG&E) by documenting discussion points, collecting inputs on talking points from team	0.3	\$ 400.00	\$ 120.00
Matt Broida	06/03/19	(.3) Review, concurrently updating KPMG task 1 budget including resource discussions with D. Ross (KPMG) for communication to client.	0.3	\$ 435.00	\$ 130.50
Brian Wei	06/03/19	Meeting with J. Thalman, S. Adderly (PG&E), D. Ross (KPMG) to discuss updates to the risk reduction model (0.5).	0.5	\$ 275.00	\$ 137.50
David Ross	06/03/19	.4 call with D Gasper (KPMG) to review data visualization for distribution risk model	0.4	\$ 400.00	\$ 160.00
Marcus Xu	06/03/19	.5 Discussion with B. Wei, M. Xu, D. Ross (KPMG) on methodology underlying risk score and vegetation modifier related to risk model	0.5	\$ 325.00	\$ 162.50
Marcus Xu	06/03/19	Perform senior associate review of the Tableau visualization of the system hardening. (0.5)	0.5	\$ 325.00	\$ 162.50
Brian Wei	06/03/19	Downloaded latest version of EC tag data from PG&E's ESFT site (0.6).	0.6	\$ 275.00	\$ 165.00

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Gaurav Thapan-Raina	06/03/19	(.5) Met with M. Broida (KPMG) to discuss status of preliminary data insights for the meeting with PG&E stakeholders the following day (M. Frauenheim, K. Loomis (PG&E))	0.5	\$ 400.00	\$ 200.00
Gaurav Thapan-Raina	06/03/19	(.5) Prepared summary of insights from preliminary exploratory data analysis for J. White, M. Broida (KPMG) to review in order to incorporate feedback and identify any other approaches to consider while reviewing the analysis	0.5	\$ 400.00	\$ 200.00
David Ross	06/03/19	.5 Call with S. Adderly (PG&E), J. Thalman (PG&E), B. Wei (KPMG) to discuss distribution risk model and modifiers	0.5	\$ 400.00	\$ 200.00
David Ross	06/03/19	.5 Discussion with B. Wei, M. Xu, D. Ross (KPMG) on methodology underlying risk score and vegetation modifier related to risk model	0.5	\$ 400.00	\$ 200.00
Matt Broida	06/03/19	(.5) Post meeting discussion with P. McCabe (PG&E) regarding next steps and interim KPMG support on EC tag data visualization while J. Cummings (PG&E) seeks to internalize the process.	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/03/19	(.5) Follow-up meeting on additional interim KPMG support for data visualization steps while PG&E takes on full process with P. McCabe, B. Tuffley (B&V).	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/03/19	(.5) Session to discuss PG&E vegetation management SME meetings with G. Thapan-Raina (KPMG).	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/03/19	(.5) Risk Model status meeting to discuss vegetation and meteorology methodology with S. Adderly, J. Thalman (PG&E).	0.5	\$ 435.00	\$ 217.50
Brian Wei	06/03/19	Checked circuit ID in the asset level data to align with circuit level data for the risk reduction model (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/03/19	Generated histograms on the distributions of the risk score in the asset level (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/03/19	Performed analysis to calculate probability of an outage from vegetation data to incorporate into the risk reduction model (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/03/19	Reran grouped data workflow in different order of variables to facilitate engineering reviews (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/03/19	Updated Alteryx workflow for grouped data for engineering reviews to include new EC tag data / output 10 circuits (1.0).	1.0	\$ 275.00	\$ 275.00
Matt Broida	06/03/19	Review of vegetation management data cuts and visualization output with T. Mason (KPMG).	0.7	\$ 435.00	\$ 304.50
David Ross	06/03/19	.8 Analyzed risk score data to determine optimal weighting for risk score of distribution risk model	0.8	\$ 400.00	\$ 320.00
Marcus Xu	06/03/19	Apply the optimal weighting into the Alteryx workflow calculation, concurrently testing the results. (1.0)	1.0	\$ 325.00	\$ 325.00
Marcus Xu	06/03/19	Continue, as of 06/03/19, to update the asset panel calculation workflow. (1.0)	1.0	\$ 325.00	\$ 325.00
Marcus Xu	06/03/19	Participated in the 6/3 model update meeting with J. Thalman (PG&E). (1.0)	1.0	\$ 325.00	\$ 325.00

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Marcus Xu	06/03/19	Perform analysis of the method to develop the vegetation modifiers. (1.0)	1.0	\$ 325.00	\$ 325.00
Marcus Xu	06/03/19	Update the optimization Excel tab to find the optimal weighting of the three components (1.0)	1.0	\$ 325.00	\$ 325.00
Cy Whitten	06/03/19	1.2 updates to procedure document 1 including GRC testimony risk discussion key points in procedure document 1	1.2	\$ 325.00	\$ 390.00
Tia Mason	06/03/19	Continue, as of 06/03/19, building out the Alteryx workflow for vegetation for PG&E.	1.3	\$ 325.00	\$ 422.50
Matt Broida	06/03/19	(.9) Review of KPMG SME revisions, concurrently providing comments on document 1 PG&E Procedure_Doc 1_20190531_v4_DRE.docx with revisions. (.1) Follow-up with C. Whitten (KPMG) regarding open revisions and submit final document for PG&E leadership review.	1.0	\$ 435.00	\$ 435.00
Matt Broida	06/03/19	(1.0) Google Earth Files Handoff meeting regarding a hand off for the KPMG google earth files to internal PG&E resources to create future protective zones for B&V engineers to review with P. McCabe, J. Cummings, E. Scaief (PG&E).	1.0	\$ 435.00	\$ 435.00
Lucy Cai	06/03/19	(1.6) Ran workflow, as of 6/3, that assigns certain assets a tag indicating that the number of notifications does not correlate with asset score per pending notification file for transmission structures.	1.6	\$ 275.00	\$ 440.00
David Ross	06/03/19	Analyze Task 1 budget, updating forecast based upon requested Vegetation addition by PG&E	1.2	\$ 400.00	\$ 480.00
Brian Wei	06/03/19	Calculate risk score at the circuit level for the risk reduction model (2.0).	2.0	\$ 275.00	\$ 550.00
Cy Whitten	06/03/19	1.7 meeting with M. Broida (KPMG) to discuss updates to procedure document 1 to fit to PG&E's desired format	1.7	\$ 325.00	\$ 552.50
David Ross	06/03/19	Analyze Tableau rendering of distribution risk model to determine which changes need to be made for the client	1.4	\$ 400.00	\$ 560.00
Marcus Xu	06/03/19	Review the Major Event Day Outage data, concurrently decomposing into Wind / Rain / Temperature. (2.0)	2.0	\$ 325.00	\$ 650.00
Tia Mason	06/03/19	Updating, as of 06/03/19, the Alteryx workflow for distribution workstream for PG&E.	2.0	\$ 325.00	\$ 650.00
Lucy Cai	06/03/19	(2.4) Continue, from earlier in the day, to assemble data validation worksheet that compiles all data inputs provided by various client contacts as well as states the source, description, purpose of each file.	2.4	\$ 275.00	\$ 660.00
Tia Mason	06/03/19	Continue, as of 06/03/19, cleansing the data for vegetation for PG&E.	2.3	\$ 325.00	\$ 747.50
Gaurav Thapan-Raina	06/03/19	Prepared statistical analysis of GNT data in order to assess the role of key features such as soil conditions, tree health, slope, terrain features, tree height, age and DBH on causing GNTs across regions	1.9	\$ 400.00	\$ 760.00

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Lucy Cai	06/03/19	(2.8) Ran workflow assigning structure / circuit scores to each pending repair notification for transmission structures by grouping asset scores for each test run.	2.8	\$ 275.00	\$ 770.00
Tia Mason	06/03/19	Began populating the slides for the Alteryx vegetation workflow for PG&E.	2.4	\$ 325.00	\$ 780.00
Lucy Cai	06/03/19	(2.9) Create data validation worksheet that compiles all data inputs provided by various client contacts as well as states the source, description, purpose of each file.	2.9	\$ 275.00	\$ 797.50
Daniel Elmlblad	06/03/19	Specialist review of previous GNT / prioritization analysis and materials to enable KPMG (M. Broida, C. Whitten) development of procedure documents for sections 4-5	2.7	\$ 325.00	\$ 877.50
Gaurav Thapan-Raina	06/03/19	1.0 Conducted statistical analytical modeling of tree species height, DBH, age and distance-from-asset variables to determine any consistent trends on a region and division basis; 1.5 prepared geospatial analysis (location heatmaps) of outages and GNTs across PG&E service territory during fire and non-fire seasons	2.5	\$ 400.00	\$ 1,000.00
Gaurav Thapan-Raina	06/03/19	Prepared statistical analysis of tree health features, dead vs. alive trees and causes of tree failure by region for outage data; specifically identified top tree species by region comparing causes of failure, age span by region and differences between extent of tree lean, age and soil conditions	2.5	\$ 400.00	\$ 1,000.00
Daniel Elmlblad	06/03/19	Specialist review of previous GNT / prioritization analysis and materials to enable to KPMG (M. Broida, C. Whitten) development of procedure documents for sections 1-3	3.3	\$ 325.00	\$ 1,072.50
Matt Broida	06/03/19	(2.5) Review of document 1 PG&E Procedure_Doc 1_20190531_v46_MCB.docx for revisions to ensure document adheres to PG&E process with additional SME comments.	2.5	\$ 435.00	\$ 1,087.50
David Ross	06/03/19	Prepare work paper documentation, as of 6/3, related to transmission bundling and risk model	2.9	\$ 400.00	\$ 1,160.00
Cy Whitten	06/04/19	Forward substation driver population file to K. Caron (KPMG) for his review.	0.1	\$ 325.00	\$ 32.50
Cy Whitten	06/04/19	Prepare agenda for deliverable documentation review meeting with D. Elmlblad and K. McNamara (KPMG).	0.1	\$ 325.00	\$ 32.50
Cole Gallagher	06/04/19	Review S. Jayaraman's (PG&E) email regarding diminishing marginal returns on mitigation effectiveness to updated model input sheet.	0.2	\$ 325.00	\$ 65.00
Kirk-Patrick Caron	06/04/19	Attended Task 3 status call with C. Gallagher, P. Devaney, A. Irwin (KPMG) and B. Wong (PG&E). (partial attendance)	0.3	\$ 400.00	\$ 120.00
Kirk-Patrick Caron	06/04/19	Meeting with Y. Oum (PG&E) to share KPMG model code.	0.3	\$ 400.00	\$ 120.00
Cole Gallagher	06/04/19	Communication with T. Schenk (KPMG) regarding Tableau visualization of model outputs.	0.4	\$ 325.00	\$ 130.00

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Name	Date	Description	Hours	Rate	Amount
Kyle McNamara	06/04/19	Call with K. McNamara, P. Devaney (KPMG) to review progress on Task 3 and discuss future support.	0.3	\$ 435.00	\$ 130.50
Kyle McNamara	06/04/19	Performed director review of agenda in preparation for Friday's code review session.	0.3	\$ 435.00	\$ 130.50
Preston Devaney	06/04/19	Per client request, attended Task 3 status call with K. McNamara, K. Caron, C. Gallagher, P. Devaney, and A. Irwin (KPMG) and B. Wong (PG&E).	0.5	\$ 275.00	\$ 137.50
Gustavo Garcia	06/04/19	Pole Integrity Review / preparation for PG&E Risk Scoring Workshop with S. Stoddard (KPMG).	0.5	\$ 275.00	\$ 137.50
Preston Devaney	06/04/19	Call with C. Gallagher (KPMG) to discuss questions on input sheet and formulate agenda for PG&E call to review the same topic.	0.5	\$ 275.00	\$ 137.50
Cy Whitten	06/04/19	Discuss EC Optimization Process Flow with S. Stoddard, M. Broida, M. Brower (KPMG) for risk documentation.	0.5	\$ 325.00	\$ 162.50
Adrian Irwin	06/04/19	Per client request, attended Task 3 status call with K. Caron, C. Gallagher, P. Devaney (KPMG) and B. Wong (PG&E).	0.5	\$ 325.00	\$ 162.50
Cole Gallagher	06/04/19	Per client request, attended Task 3 status call with K. Caron, P. Devaney, A. Irwin (KPMG) and B. Wong (PG&E).	0.5	\$ 325.00	\$ 162.50
Adrian Irwin	06/04/19	Tableau dashboard development session with T. Schenk, P. Prombo, M. Ehrhardt, D. Gallo (KPMG).	0.5	\$ 325.00	\$ 162.50
Dom Gallo	06/04/19	Tableau dashboard development session with T. Schenk, P. Prombo, M. Ehrhardt, A. Irwin (KPMG).	0.5	\$ 325.00	\$ 162.50
Adrian Irwin	06/04/19	Web development and analytics status meeting with T. Schenk (KPMG) to align on priorities / next steps.	0.5	\$ 325.00	\$ 162.50
Matthew Bowser	06/04/19	Discuss EC Optimization Process Flow with C. Whitten, M. Broida and S. Stoddard (KPMG) for risk documentation.	0.5	\$ 325.00	\$ 162.50
Cole Gallagher	06/04/19	Call with P. Devaney (KPMG) to discuss questions on input sheet and formulate agenda for PG&E call to review the same topic.	0.5	\$ 325.00	\$ 162.50
Cy Whitten	06/04/19	Attended Task 4 deliverable documentation review meeting with D. Elmlad and K. McNamara (KPMG).	0.5	\$ 325.00	\$ 162.50
Kyle McNamara	06/04/19	Communication with S. Stoddard (KPMG) to discuss Task 2 change requested by J. Birch (PG&E).	0.4	\$ 435.00	\$ 174.00
Jason Weng	06/04/19	Attended 6/4 EC Tag assignment call led by G. Race (PG&E) and Internal Estimating & Design supervisor team. Supported use of Tableau dashboard and any additional ad hoc reports required.	0.6	\$ 325.00	\$ 195.00
Phillip Prombo	06/04/19	Tableau dashboard development session with T. Schenk, M. Ehrhardt, A. Irwin, D. Gallo (KPMG).	0.5	\$ 400.00	\$ 200.00
Phillip Prombo	06/04/19	Meeting with D. Gallo (KPMG) to discuss the documentation and overall scope of the Project and the basic requirements for the Tableau Dashboards.	0.5	\$ 400.00	\$ 200.00
Tom Schenk	06/04/19	Tableau dashboard development session with P. Prombo, M. Ehrhardt, A. Irwin, D. Gallo (KPMG).	0.5	\$ 435.00	\$ 217.50

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Name	Date	Description	Hours	Rate	Amount
Mark Ehrhardt	06/04/19	Tableau dashboard development session with T. Schenk, P. Prombo, A. Irwin, D. Gallo (KPMG).	0.5	\$ 435.00	\$ 217.50
Tom Schenk	06/04/19	Web development and analytics status meeting with A. Irwin (KPMG) to align on priorities / next steps.	0.5	\$ 435.00	\$ 217.50
Kyle McNamara	06/04/19	Per client request, attended Task 3 status call with K. Caron, C. Gallagher, P. Devaney, and A. Irwin (KPMG) and B. Wong (PG&E).	0.5	\$ 435.00	\$ 217.50
Scott Stoddard	06/04/19	Pole Integrity Review / preparation for PG&E Risk Scoring Workshop with G. Gustavo (KPMG).	0.5	\$ 435.00	\$ 217.50
Scott Stoddard	06/04/19	Discuss EC Optimization Process Flow with C. Whitten, M. Broida, and M. Bowser (KPMG) for risk documentation.	0.5	\$ 435.00	\$ 217.50
Kyle McNamara	06/04/19	Conducted Task 4 deliverable documentation review meeting with D. Elmlad and C. Whitten (KPMG).	0.5	\$ 435.00	\$ 217.50
Kyle McNamara	06/04/19	Performed analysis of project budgets as of 6/4 for A. Mani (KPMG) to accommodate request from J. Birch (PG&E).	0.5	\$ 435.00	\$ 217.50
Kyle McNamara	06/04/19	Updated status report for Task 2 based on conversations with S. Stoddard (KPMG).	0.5	\$ 435.00	\$ 217.50
Gustavo Garcia	06/04/19	Attend ECOP program biweekly huddle call led by J.C. Mathieson (PG&E) with M. Bowser (KPMG) for current status / requests / updates as of 06/04/19.	0.8	\$ 275.00	\$ 220.00
Matthew Bowser	06/04/19	Attend AMS Pole Integrity Inspection 6/4 huddle call led by J. Birch (PG&E) for status / updates / requests.	0.7	\$ 325.00	\$ 227.50
Kirk-Patrick Caron	06/04/19	Meeting with D. Pant and P. Mackey (PG&E) to discuss modifications to EO bowties.	0.6	\$ 400.00	\$ 240.00
Gustavo Garcia	06/04/19	Follow-up on POL action items by emailing J. Birch (PG&E) regarding the status / progress made on his action items. (.5) Follow-up on POL action items by emailing C. Wong (PG&E) regarding the status or progress made on his action items. (.4)	0.9	\$ 275.00	\$ 247.50
Preston Devaney	06/04/19	Updated the Python code to implement the new seeding methodology.	0.9	\$ 275.00	\$ 247.50
Matthew Bowser	06/04/19	Attend ECOP program biweekly huddle call led by J.C. Mathieson (PG&E) with G. Gustavo (KPMG) for current status / requests / updates as of 06/04/19.	0.8	\$ 325.00	\$ 260.00
Cole Gallagher	06/04/19	Review inputs sheet in advance of PG&E status calls to discuss format / improvement opportunities on Tableau dashboard session.	0.8	\$ 325.00	\$ 260.00
Cy Whitten	06/04/19	Reviewed substation driver population file provided by K. Caron (KPMG) to populate substation driver counts.	0.8	\$ 325.00	\$ 260.00
Dennis Cha	06/04/19	EC tag Optimization Bi-weekly Huddle led by J.C. Mathieson, P. McCabe, B. Koelling, O. Takeshima, E. Scaief, D. Thayer, C. Araquistain, T. Pazdan, J. Birch, H. Duncan, R. Franks, J.E. Thalman, J. Tong (Lieu), D. Durbin (PG&E), B. Tuffley, (B&V) and S. Stoddard (KPMG).	1.0	\$ 275.00	\$ 275.00

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Name	Date	Description	Hours	Rate	Amount
Gustavo Garcia	06/04/19	Review of Risk Scoring model spreadsheet with J. Birch's (PG&E) updates.	1.1	\$ 275.00	\$ 302.50
Kirk-Patrick Caron	06/04/19	Meeting with D. Pant, B. Wong, Y. Oum, and V. Loh (PG&E) to discuss opportunities to leverage the Risk Analytics Model to supplement the RAMP model project.	0.8	\$ 400.00	\$ 320.00
Matthew Bowser	06/04/19	Attend check-in meeting for CPUC presentation preparation activities led by S. Cullings (PG&E) with S. Stoddard (KPMG), H. Duncan, M. Agarwal, J.C. Mathieson, S. Calvert, M. Tekeste, M. Putnam, A. Sharp, M. Camara, P. Bostley, and J. McDougal (PG&E)	1.0	\$ 325.00	\$ 325.00
Gustavo Garcia	06/04/19	Consolidate risk scoring documentation, concurrently reviewing (1.1) and sending to J. Birch, T. Pazdan, L. Burton (P&E Pole Integrity Team)(1).	1.2	\$ 275.00	\$ 330.00
Gustavo Garcia	06/04/19	Attended meeting led by M. Thompson (PG&E) with J. Birch (PG&E) regarding AMS POL updates as of 06/04/19 with over 15 people from PG&E and other contractors.	1.2	\$ 275.00	\$ 330.00
Matthew Bowser	06/04/19	Attend AMS operations huddle led by J. Nimick (PG&E) for status / updates / new requests as of 06/04/19.	1.1	\$ 325.00	\$ 357.50
Jason Weng	06/04/19	Meeting with S. Cullings (PG&E) to review top inspection finding based on analysis of EC Notification data.	1.1	\$ 325.00	\$ 357.50
Kirk-Patrick Caron	06/04/19	Meeting with D. Pant, B. Wong, Y. Oum, and V. Loh (PG&E) to discuss EO bowtie data.	1.0	\$ 400.00	\$ 400.00
Dennis Cha	06/04/19	Discussion with J.C. Mathieson, N. Moran, and H. Duncan (PG&E) regarding updates to engineering review procedure to include in asset management review and IT updates discussed today.	1.5	\$ 275.00	\$ 412.50
Gustavo Garcia	06/04/19	Pole Integrity Risk Scoring workshop with S. Stoddard, M. Bowser (KPMG), J. Birch, T. Pazdan, L. Burson-Thomas (PG&E).	1.5	\$ 275.00	\$ 412.50
Scott Stoddard	06/04/19	Attend check-in meeting for California Public Utilities Commission (CPUC) presentation preparation activities led by S. Cullings (PG&E) with M. Bowser (KPMG), H. Duncan, M. Agarwal, J.C. Mathieson, S. Calvert, M. Tekeste, M. Putnam, A. Sharp, M. Camara, P. Bostley, and J. McDougal (PG&E)	1.0	\$ 435.00	\$ 435.00
Kirk-Patrick Caron	06/04/19	Meeting with B. Wong, Y. Oum, V. Loh (PG&E) to roadmap out the Friday code review session, including schedule, objectives, and main talking points.	1.1	\$ 400.00	\$ 440.00
Kirk-Patrick Caron	06/04/19	Meeting with D. Pant, B. Wong, Y. Oum, V. Loh, J. E. Thalman (PG&E) to discuss the PG&E Risk Analytics Model, which is focused on forecasting the probability of an outage stemming from an asset failure.	1.1	\$ 400.00	\$ 440.00
Matthew Bowser	06/04/19	Revise AMS Engineering Review procedure prior to transmittal to PG&E.	1.4	\$ 325.00	\$ 455.00

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Name	Date	Description	Hours	Rate	Amount
Matthew Bowser	06/04/19	Met to discuss draft of AMS Program Execution dashboard with S. Stoddard and J. Weng (KPMG).	1.5	\$ 325.00	\$ 487.50
Jason Weng	06/04/19	Met to discuss draft of AMS Program Execution dashboard with S. Stoddard and M. Bowser (KPMG).	1.5	\$ 325.00	\$ 487.50
Matthew Bowser	06/04/19	Pole Integrity Risk Scoring workshop with S. Stoddard, G. Garcia (KPMG), J. Birch, T. Pazdan, L. Burson-Thomas (PG&E).	1.5	\$ 325.00	\$ 487.50
Cy Whitten	06/04/19	Meeting with J. E. Thalman, S. Adderly (PG&E), M. Broida, G. Thapan-Raina (KPMG) to discuss tree failure hypotheses.	1.5	\$ 325.00	\$ 487.50
Dennis Cha	06/04/19	Continue, as of 06/04/19, to draft the Alteryx workflow Tier 3 Priority E tag forecast for tag review / execution by iteratively aggregating / processing DE inspection records (.6), HFTD Tier 2 / Tier 3 circuit risk ranking, (.7) EC Optimization tag review sequence (.6).	1.9	\$ 275.00	\$ 522.50
Dennis Cha	06/04/19	Continue, as of 06/04/19, to draft the Alteryx workflow Tier 3 Priority E tag forecast for tag review / execution by iteratively aggregating / processing sets of assumptions around tag review / execution durations (1.0), and EC Optimization capacity (1.0).	2.0	\$ 275.00	\$ 550.00
Adrian Irwin	06/04/19	Integrating database with /login lambda to proof out selection of JS PostgreSQL integration method.	1.7	\$ 325.00	\$ 552.50
Preston Devaney	06/04/19	Attend call with K. Caron, C. Gallagher, A. Irwin, (KPMG), B. Wong, Y. Oum (PG&E) to discuss model input sheet, review format of each input table, discuss updated mitigation effectiveness calculation.	2.1	\$ 275.00	\$ 577.50
Dennis Cha	06/04/19	Review / discussion regarding requirements and assumptions made for Tier 3 Priority E tag forecast for tag review and execution with J.C. Mathieson (PG&E) and G. Chatha (B&V).	2.1	\$ 275.00	\$ 577.50
Aldryn Estacio	06/04/19	Line of business view page updates to the Line chart for Risk score vs Time design (Proposed / Alt 1).	1.6	\$ 400.00	\$ 640.00
Carlo Toribio	06/04/19	Continue, from earlier on 06/04/19, update the Login page details.	2.0	\$ 325.00	\$ 650.00
Scott Stoddard	06/04/19	Met to discuss draft of AMS Program Execution dashboard with J. Weng and M. Bowser (KPMG) prior to client meeting	1.5	\$ 435.00	\$ 652.50
Scott Stoddard	06/04/19	Pole Integrity Risk Scoring workshop with M. Bowser, G. Garcia (KPMG), J. Birch, T. Pazdan, L. Burson-Thomas (PG&E).	1.5	\$ 435.00	\$ 652.50
Cole Gallagher	06/04/19	Attend call with K. Caron, P. Devaney, A. Irwin, (KPMG), B. Wong, and Y. Oum (PG&E) to discuss model input sheet, review format of each input table, discuss updated mitigation effectiveness calculation.	2.1	\$ 325.00	\$ 682.50

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Name	Date	Description	Hours	Rate	Amount
Adrian Irwin	06/04/19	Attend call with K. Caron, P. Devaney, C. Gallagher (KPMG), B. Wong, and Y. Oum (PG&E) to discuss model input sheet, review format of each input table, discuss updated mitigation effectiveness calculation.	2.1	\$ 325.00	\$ 682.50
Jason Weng	06/04/19	Analyzed EC notification data to identify top inspection finding for each priority type as requested by S. Cullings' (PG&E).	2.3	\$ 325.00	\$ 747.50
Aldryn Estacio	06/04/19	Update, as of 06/04/19, the Cross Cutter Multiplier bar chart.	2.0	\$ 400.00	\$ 800.00
Carlo Toribio	06/04/19	Incorporate SASS (UI styling framework) into the application to assist with styling (color / sizes / functionality).	2.5	\$ 325.00	\$ 812.50
Dennis Cha	06/04/19	Attended workshop to review EC hardening review process with J.C. Mathieson, N. Moran, H. Duncan (PG&E), and J. Weng (KPMG)	3.0	\$ 275.00	\$ 825.00
Kirk-Patrick Caron	06/04/19	Attend call with P. Devaney, C. Gallagher, A. Irwin, (KPMG), B. Wong, and Y. Oum (PG&E) to discuss model input sheet, review format of each input table, discuss updated mitigation effectiveness calculation.	2.1	\$ 400.00	\$ 840.00
Aldryn Estacio	06/04/19	Update, as of 06/04/19, cross cutter embedded page table design for program effectiveness / benefit.	2.1	\$ 400.00	\$ 840.00
Gustavo Garcia	06/04/19	Revise new POL spreadsheet to match previous spreadsheet used by Compliance for ease of transition.	3.1	\$ 275.00	\$ 852.50
Adrian Irwin	06/04/19	Installation of local PostgreSQL database, concurrently coding of the table creation as well as reference / dummy data insertion into SQL statements.	2.7	\$ 325.00	\$ 877.50
Kirk-Patrick Caron	06/04/19	Update, as of 06/04/19, the EBRR Master File with substation event frequency details.	2.4	\$ 400.00	\$ 960.00
Jason Weng	06/04/19	Attended workshop to review EC hardening review process with J.C. Mathieson, N. Moran, H. Duncan (PG&E), and D. Cha (KPMG)	3.0	\$ 325.00	\$ 975.00
Aldryn Estacio	06/04/19	Convert whiteboards from on-site meeting into Sketch focusing on first design updates to the mitigations scatterplot / line / bar charts.	2.5	\$ 400.00	\$ 1,000.00
Carlo Toribio	06/04/19	Continue, as of 06/04/19, to update the Login page details.	3.3	\$ 325.00	\$ 1,072.50
Mark Martin	06/04/19	Continue, as of 06/04/19, to create header portion of the Project View component focusing on updating the JavaScript code base to include header UI elements.	2.7	\$ 400.00	\$ 1,080.00
Daniel Elmlblad	06/04/19	0.5 - Reviewed client workpaper along with client deliverable documentation with C. Whitten and K. McNamara (KPMG); 2.0 - revised final draft versions of TURN 018 Q7 and Q9 based upon feedback from N. Moran (PG&E); 1.0 - Discussion with PG&E team members (D. Nguyen and J. Tong) to develop information necessary for response to JXXX 0YY QZ	3.5	\$ 325.00	\$ 1,137.50

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Name	Date	Description	Hours	Rate	Amount
Mark Martin	06/04/19	Continue, from earlier on 6/4, to create header portion of the Project View component focusing on updating the JavaScript code base to include header UI elements.	3.6	\$ 400.00	\$ 1,440.00
Cy Whitten	06/04/19	0.2 discussed procedure 1 updates with M. Broida (KPM)for meeting to discuss on 6/5	0.2	\$ 325.00	\$ 65.00
Cy Whitten	06/04/19	(.3) Review EC Tag optimization process flow to coordinate on documentation input with M. Bowser, S. Stoddard (KPMG).	0.3	\$ 325.00	\$ 97.50
Tia Mason	06/04/19	Meeting with G. Thapan- Raina (KPMG) regarding vegetation - PG&E-3.	0.3	\$ 325.00	\$ 97.50
David Ross	06/04/19	.3 Review distributions of scoring components to determine weighting for risk model	0.3	\$ 400.00	\$ 120.00
Matt Broida	06/04/19	(.3) Review of Distributions of Scoring Components (002).pptx which provided output by histogram to better incorporate into distribution modeling concept provided by B. Wei (KPMG).	0.3	\$ 435.00	\$ 130.50
Matt Broida	06/04/19	(.3) Review, concurrently performing revision of PG&E-Outages-EDA1.pptx to modify for meeting objectives.	0.3	\$ 435.00	\$ 130.50
Brian Wei	06/04/19	Discussed with D. Ross (KPMG) on the three different approaches to incorporate weather and meteorology data to the risk reduction model (0.5).	0.5	\$ 275.00	\$ 137.50
Brian Wei	06/04/19	Uploaded standardized risk scores of assets in the FTP site (0.5).	0.5	\$ 275.00	\$ 137.50
Gaurav Thapan-Raina	06/04/19	(.4) Reviewed final version of presentation materials / revised data analysis in advance of client meeting.	0.4	\$ 400.00	\$ 160.00
David Ross	06/04/19	.4 Call with D. Gasper (KPMG) to discuss Tableau data visualization of distribution risk model for PG&E	0.4	\$ 400.00	\$ 160.00
Gaurav Thapan-Raina	06/04/19	(.5) Discussed next iteration of data preparation/analysis with M. Broida (KPMG) as well as strategy for combining outage, GNT, tree species sample and HTF districts datasets for next level of analysis	0.5	\$ 400.00	\$ 200.00
Gaurav Thapan-Raina	06/04/19	(.5) Met with K. Loomis (PG&E) to discuss soil condition data and potential impact on tree health across the PG&E service territory	0.5	\$ 400.00	\$ 200.00
Gaurav Thapan-Raina	06/04/19	(.5) Met with M. Broida, T. Mason (KPMG) to review materials for initial exploratory data analysis meeting with M. Frauenheim, J. Thompson, J. Erich (PG&E)	0.5	\$ 400.00	\$ 200.00
Gaurav Thapan-Raina	06/04/19	(.5) Prepared first draft of update on work progress as of 6/4 for C. Moreland (PG&E)	0.5	\$ 400.00	\$ 200.00
David Ross	06/04/19	.5 Follow-up with J. White (KPMG) to update on progress on distribution risk model, as of 6/4, in order to provide update to PG&E	0.5	\$ 400.00	\$ 200.00
Matt Broida	06/04/19	(.5) Meeting to discuss weekly Task 1 goals, as of 06/04/18, with J. White and D. Ross (KPMG).	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/04/19	(.5) Communication with D. Gaspar (KPMG) regarding final changes to EC tag analysis Tableau format.	0.5	\$ 435.00	\$ 217.50

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Matt Broida	06/04/19	(.5) Meeting to hand-off Tableau workbook for EC tag analysis process with D. Gaspar (KPMG) and P. McCabe (PG&E).	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/04/19	(.5) Review EC Tag optimization process flow to coordinate on documentation input with C. Whitten, M. Bowser, S. Stoddard (KPMG).	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/04/19	(.5) Review of next set of required changes / modifications to current PG&E DE mitigation efforts from CSW / GRC for Document 1 as well as alignment to finalize document for Wednesday.	0.5	\$ 435.00	\$ 217.50
Brian Wei	06/04/19	Created Alteryx workflow to standardize naming conventions for variables in the risk reduction model (0.8).	0.8	\$ 275.00	\$ 220.00
David Ross	06/04/19	.6 Collect information required to document Task 1 processes and methodologies.	0.6	\$ 400.00	\$ 240.00
Gaurav Thapan-Raina	06/04/19	(.6) Analyzed division-level impact of tree species on outages / GNTs including parsing the data to determine what other supplemental features could help explain variations across divisions	0.6	\$ 400.00	\$ 240.00
Lucy Cai	06/04/19	(.9) Compiled HFTD mappings / distribution pole files to provide to vegetation workstream for mapping.	0.9	\$ 275.00	\$ 247.50
Cy Whitten	06/04/19	0.8 updated procedure 1 document with tracked changes from Dan Elmlad and Matt Broida	0.8	\$ 325.00	\$ 260.00
Brian Wei	06/04/19	Additional meeting with J. Thalman. S. Adderly (PG&E) to discuss further updates to risk reduction model (1.0).	1.0	\$ 275.00	\$ 275.00
David Ross	06/04/19	.7 Analyze histograms which display risk score data variations by methodology in order to determine the optimal methodology for distribution risk model	0.7	\$ 400.00	\$ 280.00
David Ross	06/04/19	.7 Develop tracking document for Task 1 processes and methodologies work papers / documentation	0.7	\$ 400.00	\$ 280.00
Marcus Xu	06/04/19	Develop Alteryx workflow to output the histogram of the risk score distribution. (1.0)	1.0	\$ 325.00	\$ 325.00
Marcus Xu	06/04/19	Developed Alteryx workflow to map the tree population to star conductor data by division (1.0)	1.0	\$ 325.00	\$ 325.00
Brian Wei	06/04/19	Updated vegetation data to include division code and division name (1.2).	1.2	\$ 275.00	\$ 330.00
Matt Broida	06/04/19	(.8) Vegetation SME meeting review / preparation by focusing on agenda / meeting roles / slide selection with T. Mason, G. Thapan-Raina (KPMG).	0.8	\$ 435.00	\$ 348.00
Lucy Cai	06/04/19	(1.4) Continue, from earlier on 6/4, to assemble six workflows that will be used to bundle transmission notifications, concurrently drafting descriptions of step by step processing in each workflow to provide to PG&E.	1.4	\$ 275.00	\$ 385.00
Tia Mason	06/04/19	Continue, to create slides detailing the Alteryx vegetation workflow for PG&E-1.4.	1.4	\$ 325.00	\$ 455.00

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Name	Date	Description	Hours	Rate	Amount
Marcus Xu	06/04/19	Review the data regarding previous PG&E vegetation management benefit, concurrently performing analysis regarding methods to incorporate into the system hardening model. (1.5)	1.5	\$ 325.00	\$ 487.50
David Ross	06/04/19	Analysis of system outage data provided by PG&E to determine major event days within the system to determine suitability for use as meteorology modifier in distribution risk model.	1.3	\$ 400.00	\$ 520.00
Brian Wei	06/04/19	Generate histograms of the standardized risk scores in the asset, protection zone, and circuit levels from the risk reduction model (2.0).	2.0	\$ 275.00	\$ 550.00
Brian Wei	06/04/19	Updated risk reduction model by adjusting variable names / outputting histograms for the distributions of probability of failure, REAX, egress calculations, risk scores in the asset level (2.0).	2.0	\$ 275.00	\$ 550.00
David Ross	06/04/19	Update data inputs in Alteryx for data filed used in Tableau data visualization for distribution risk model	1.4	\$ 400.00	\$ 560.00
Gaurav Thapan-Raina	06/04/19	Conducted exploratory data analysis meeting with M. Frauenheim, J. Eric, J. Thompson(PG&E), M. Broida, D. Ross (KPMG) to discuss preliminary insights on the vegetation management outage / GNT data, discuss potential hypotheses and regulatory requirements.	1.5	\$ 400.00	\$ 600.00
Tia Mason	06/04/19	Continue, as of 06/04/19, to build out the Alteryx workflow for vegetation for PG&E	2.0	\$ 325.00	\$ 650.00
Tia Mason	06/04/19	Meeting with G. Thapan-Raina, M. Broida, T. Mason (KPMG) regarding outage model for PG&E-2.0	2.0	\$ 325.00	\$ 650.00
Marcus Xu	06/04/19	Review the Alteryx workflow, concurrently identifying the non-match between Circuit Level output / the Protection Zone level output. (2.0)	2.0	\$ 325.00	\$ 650.00
Matt Broida	06/04/19	(1.5) PG&E Vegetation Management - Tree Failure Hypotheses Generation meeting performing co-facilitation of SME vegetation management workshop with G. Thapan-Raina, D. Ross (KPMG), J. E. Thalman, S. Adderly, K. Loomis, and M. Frauenheim (PG&E).	1.5	\$ 435.00	\$ 652.50
Lucy Cai	06/04/19	(2.4) Draft email write-up with documentation of transmission bundling process, including step-by-step guide on inputs / outputs for each workflow / how the macro was created.	2.4	\$ 275.00	\$ 660.00
Tia Mason	06/04/19	Implementing changes to the slide deck for vegetation for PG&E-2.3.	2.3	\$ 325.00	\$ 747.50
Marcus Xu	06/04/19	Perform data analysis on the vegetation outage / GNT data in Python. (2.5)	2.5	\$ 325.00	\$ 812.50
David Ross	06/04/19	Meeting with K Loomis, M. Frauenheim (PG&E), M. Broida (KPMG) to discuss vegetation management program and use of vegetation data set as a modifier to the risk model	2.1	\$ 400.00	\$ 840.00
Matt Broida	06/04/19	(2.3) Review, concurrently performing analysis of vegetative management data cut.	2.3	\$ 435.00	\$ 1,000.50

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Name	Date	Description	Hours	Rate	Amount
Cy Whitten	06/04/19	3.2 Updated procedure 1 document section for operational plan	3.2	\$ 325.00	\$ 1,040.00
Lucy Cai	06/04/19	(3.9) In order to bundle transmission notifications, assemble six workflows, concurrently drafting descriptions of step by step processing in each workflow to provide to PG&E.	3.9	\$ 275.00	\$ 1,072.50
Gaurav Thapan-Raina	06/04/19	Prepare presentation material on initial data analysis for upcoming client meeting, concurrently analyzing additional cuts of the dataset	3.6	\$ 400.00	\$ 1,440.00
Scott Stoddard	06/04/19	EC tag Optimization Bi-weekly Huddle led by J.C. Mathieson, P. McCabe, B. Koelling, O. Takeshima, E. Scaief, D. Thayer, C. Araquistain, T. Pazdan, J. Birch, H. Duncan, R. Franks, J.E. Thalman, J. Tong (Lieu), D. Durbin (PG&E), B. Tuffley (B&V), D. Cha (KPMG).	1.0	\$ 435.00	\$ 435.00
Dennis Cha	06/05/19	Email communication regarding ECOP engineering review procedure with S. Stoddard and M. Bowser (KPMG).	0.2	\$ 275.00	\$ 55.00
Cy Whitten	06/05/19	Draft / respond to email with K. McNamara regarding preparation for cross-task scope assessment meeting on 6/6/19	0.3	\$ 325.00	\$ 97.50
Cole Gallagher	06/05/19	Push risk spend efficiency updates to code repository.	0.3	\$ 325.00	\$ 97.50
Cole Gallagher	06/05/19	Review agenda in preparation for Friday in-person meeting with client regarding Task 3	0.3	\$ 325.00	\$ 97.50
Kirk-Patrick Caron	06/05/19	Develop template for KPMG task 3 report out for S. Cairns (PG&E).	0.3	\$ 400.00	\$ 120.00
Kirk-Patrick Caron	06/05/19	Email communication with K. McNamara (KPMG) regarding open Task 3 project tasks for ultimate communication to client.	0.3	\$ 400.00	\$ 120.00
Cole Gallagher	06/05/19	Scope objects / classes necessary for shift to object oriented programming paradigm in advance of Friday's in person meeting at the client site on the topic.	0.4	\$ 325.00	\$ 130.00
Kyle McNamara	06/05/19	Email communication with D. Mahe-Torres (PG&E) regarding executive status meetings.	0.3	\$ 435.00	\$ 130.50
Dennis Cha	06/05/19	Discussion regarding preliminary results on Tier 3 Priority E tag forecast for tag review and execution with S. Stoddard (KPMG).	0.5	\$ 275.00	\$ 137.50
Gustavo Garcia	06/05/19	Discussion regarding 6/5 Task 2 workstream details with D. Cha (KPMG).	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/05/19	Discussion regarding 6/5 Task 2 workstream details with G. Garcia (KPMG).	0.5	\$ 275.00	\$ 137.50
Preston Devaney	06/05/19	Update the Python code, concurrently pushing it to a new branch on the bitbucket repository.	0.5	\$ 275.00	\$ 137.50
Adrian Irwin	06/05/19	Call with K. McNamara, K. Caron, T. Schenk, M. Ehrhardt, A. Irwin (KPMG) to discuss Task 3 open items as of 06/05/19	0.5	\$ 325.00	\$ 162.50
Preston Devaney	06/05/19	Call with T. Schenk and C. Gallagher (KPMG) to review bitbucket branching procedures and ensure proper code check-in procedures.	0.7	\$ 275.00	\$ 192.50
Cole Gallagher	06/05/19	Validate updated seeding procedure to ensure accuracy between baseline / mitigated cases.	0.6	\$ 325.00	\$ 195.00

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Name	Date	Description	Hours	Rate	Amount
Kirk-Patrick Caron	06/05/19	Call with K. McNamara, K. Caron, T. Schenk, M. Ehrhardt, A. Irwin (KPMG) to discuss Task 3 open items as of 06/05/19	0.5	\$ 400.00	\$ 200.00
Tom Schenk	06/05/19	Call with C. Gallagher and P. Devaney (KPMG) to review bitbucket branching procedures and ensure proper code check-in procedures. (partial attendance)	0.5	\$ 435.00	\$ 217.50
Mark Ehrhardt	06/05/19	Call with B. Wong (PG&E) and M. Ehrhardt (KPMG) to present, review and collect feedback on Tableau dashboard designs as of 06/05/19.	0.5	\$ 435.00	\$ 217.50
Kyle McNamara	06/05/19	Call with K. Caron, T. Schenk, M. Ehrhardt, A. Irwin (KPMG) to discuss Task 3 open items as of 06/05/19	0.5	\$ 435.00	\$ 217.50
Mark Ehrhardt	06/05/19	Call with K. McNamara, K. Caron, T. Schenk, M. Ehrhardt, A. Irwin (KPMG) to discuss Task 3 open items as of 06/05/19	0.5	\$ 435.00	\$ 217.50
Tom Schenk	06/05/19	Call with K. McNamara, K. Caron, T. Schenk, M. Ehrhardt, A. Irwin (KPMG) to discuss Task 3 open items as of 06/05/19	0.5	\$ 435.00	\$ 217.50
Scott Stoddard	06/05/19	Discussion regarding preliminary results on Tier 3 Priority E tag forecast for tag review and execution with D. Cha (KPMG).	0.5	\$ 435.00	\$ 217.50
Dennis Cha	06/05/19	Drafted PowerPoint slide for Tier 3 Priority E tag forecast for tag review / execution.	0.8	\$ 275.00	\$ 220.00
Cole Gallagher	06/05/19	call with T. Schenk and P. Devaney (KPMG) to review bitbucket branching procedures and ensure proper code check-in procedures.	0.7	\$ 325.00	\$ 227.50
Cole Gallagher	06/05/19	Allocate risk spend efficiency based on relative effectiveness to each consequence.	0.7	\$ 325.00	\$ 227.50
Matthew Bowser	06/05/19	Collect updated EC Tag / AMS Pronto Inspections data from PG&E SharePoint.	0.7	\$ 325.00	\$ 227.50
Cole Gallagher	06/05/19	Update, as of 06/05/19, the input sheet to reflect updated mitigation effectiveness calculation / exposure input tab.	0.7	\$ 325.00	\$ 227.50
Gustavo Garcia	06/05/19	Meeting with M. Bowser (KPMG) to review progress , as of 6/5, of POL Work plan and comments.	0.9	\$ 275.00	\$ 247.50
Jason Weng	06/05/19	Review dependency management dashboard developed by S. Li (PG&E), concurrently providing suggestions for improvement.	0.8	\$ 325.00	\$ 260.00
Cole Gallagher	06/05/19	Review issues with environmental consequence calculation to determine improved calculation method.	0.8	\$ 325.00	\$ 260.00
Dennis Cha	06/05/19	Discussion regarding weekly status update workstream details with P. McCabe (PG&E).	1.0	\$ 275.00	\$ 275.00
Dennis Cha	06/05/19	EC Tag Compliance Analysis Development and Review as of 6/5 with S. Stoddard (KPMG).	1.0	\$ 275.00	\$ 275.00
Carlo Toribio	06/05/19	Web Application Development 6/5 Status Meeting with A. Irwin and M. Martin (KPMG).	0.9	\$ 325.00	\$ 292.50
Adrian Irwin	06/05/19	Web Application Development 6/5 Status Meeting with C. Toribio, and M. Martin (KPMG).	0.9	\$ 325.00	\$ 292.50
Matthew Bowser	06/05/19	Meeting with G. Garcia (KPMG) to review progress, as of 6/5, of POL Work plan and comments.	0.9	\$ 325.00	\$ 292.50

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Name	Date	Description	Hours	Rate	Amount
Kirk-Patrick Caron	06/05/19	Meeting with K. Caron (KPMG) and B. Wong (PG&E) to discuss probability calculations, consequence data, and tranching of risks.	0.8	\$ 400.00	\$ 320.00
Kirk-Patrick Caron	06/05/19	Review Substation AMP as well as prior period risk documentation to prepare for meeting with PG&E Substation SMEs.	0.8	\$ 400.00	\$ 320.00
Jason Weng	06/05/19	Review, concurrently updating Task 2 workpaper documentation.	1.0	\$ 325.00	\$ 325.00
Scott Stoddard	06/05/19	Meeting with R. Beasla (PG&E) to discuss status on ECOP Initiative, AMS Dashboard and timeline extension.	0.8	\$ 435.00	\$ 348.00
Matthew Bowser	06/05/19	Review POL work plan created by G. Garcia (KPMG), concurrently providing comments.	1.1	\$ 325.00	\$ 357.50
Matthew Bowser	06/05/19	Review, concurrently revising ECOP Weekly status update draft created by D. Cha (KPMG).	1.1	\$ 325.00	\$ 357.50
Mark Martin	06/05/19	Web Application Development 6/5 Status Meeting with A. Irwin and C. Toribio (KPMG).	0.9	\$ 400.00	\$ 360.00
Scott Stoddard	06/05/19	EC Tag Compliance Analysis Development and Review as of 6/5 with D. Cha (KPMG).	1.0	\$ 435.00	\$ 435.00
Scott Stoddard	06/05/19	Prepare for EC Tag Compliance Analysis Development and Review with D. Cha (KPMG) by reviewing draft slides for Tier Priority E tag forecast, concurrently providing comments for discussion.	1.0	\$ 435.00	\$ 435.00
Gustavo Garcia	06/05/19	Update, as of 06/05/19, the pole integrity status update slide.	1.6	\$ 275.00	\$ 440.00
Dennis Cha	06/05/19	Discussion regarding preliminary results on Tier 3 Priority E tag forecast for tag review and execution with J.C. Mathieson (PG&E) and S. Stoddard (KPMG)	1.7	\$ 275.00	\$ 467.50
Matthew Bowser	06/05/19	Attend AMS operations huddle led by J. Nimick (PG&E) for status / updates / new requests as of 06/05/19.	1.5	\$ 325.00	\$ 487.50
Matthew Bowser	06/05/19	Review updated Pole Integrity Risk Scoring worksheet created by G. Garcia (KPMG), concurrently providing comments / updates.	1.5	\$ 325.00	\$ 487.50
Dennis Cha	06/05/19	Continue, as of 06/05/19, to prepare / update the PowerPoint slide for Tier 3 Priority E tag forecast for tag review / execution based on review with J.C. Mathieson (PG&E) and S. Stoddard (KPMG).	1.9	\$ 275.00	\$ 522.50
Cole Gallagher	06/05/19	Review re-mitigation calculation in order to gain insight for application to Python model.	1.7	\$ 325.00	\$ 552.50
Carlo Toribio	06/05/19	Additional updates, after communication with A. Irwin (KPMG), to the Login page focusing on groundwork in terms of layout code for other features.	1.8	\$ 325.00	\$ 585.00
Kirk-Patrick Caron	06/05/19	Attend session with B. Wong, Y. Oum, V. Loh (PG&E) to plan Model data input sheet and to discuss resolution of data collection and aggregation challenges.	1.5	\$ 400.00	\$ 600.00
Preston Devaney	06/05/19	Resolve issues in the seeding methodology of the code, concurrently updating the unit testing code to reflect the changes.	2.2	\$ 275.00	\$ 605.00

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Name	Date	Description	Hours	Rate	Amount
Kirk-Patrick Caron	06/05/19	Update, as of 06/05/19, the EBRR Master File with prior period AMP driver / risk ID details.	1.6	\$ 400.00	\$ 640.00
Matthew Bowser	06/05/19	Review ECOP workpapers for KPMG AMS Task 2 contract.	2.2	\$ 325.00	\$ 715.00
Scott Stoddard	06/05/19	Discussion regarding preliminary results on Tier 3 Priority E tag forecast for tag review and execution with J.C. Mathieson (PG&E) and D. Cha (KPMG)	1.7	\$ 435.00	\$ 739.50
Dennis Cha	06/05/19	Continue, from earlier in the day, to prepare / update the PowerPoint slide for Tier 3 Priority E tag forecast for tag review / execution based on review with J.C. Mathieson (PG&E) and S. Stoddard (KPMG).	2.9	\$ 275.00	\$ 797.50
Carlo Toribio	06/05/19	Update, as of 06/05/19, the Login page focusing on groundwork in terms of layout code for other features based on A. Irwin's (KPMG) review / comments on the code.	2.6	\$ 325.00	\$ 845.00
Gustavo Garcia	06/05/19	Update, as of 06/05/19, the risk scoring test from huddle meeting feedback focusing on the formulas / logic in Excel .	3.1	\$ 275.00	\$ 852.50
Carlo Toribio	06/05/19	Update, as of 06/05/19, the Login page focusing on fake login functionality / username / password validation based on A. Irwin's (KPMG) review / comments on the code.	2.7	\$ 325.00	\$ 877.50
Dennis Cha	06/05/19	Drafted Excel spreadsheet for Tier 3 Priority E tag forecast for tag review / execution.	3.2	\$ 275.00	\$ 880.00
Kirk-Patrick Caron	06/05/19	Meeting with D. Pant, R. Bartley, and A. Mehari (PG&E) to discuss Substation Risk Drivers and Subdrivers for the Substation Asset FR bowtie.	2.2	\$ 400.00	\$ 880.00
Gustavo Garcia	06/05/19	Began development of dashboard to display the risk scoring results focusing on developing a new tab in excel referencing results from processes data as well as displaying the results in a way it could be interpreted.	3.3	\$ 275.00	\$ 907.50
Adrian Irwin	06/05/19	Update, as of 06/05/19, the /login lambda to use the database.	2.8	\$ 325.00	\$ 910.00
Jason Weng	06/05/19	Update, as of 06/05/19, the dependency management dashboard based on feedback from S. Cullings and S. Lewis (PG&E).	2.8	\$ 325.00	\$ 910.00
Aldryn Estacio	06/05/19	Focusing on Line of Business views which includes the new consequence bar charts: Update 2.3 Design the outage/ safety EMPL module with Risk score graph/ Annual levels table.	2.3	\$ 400.00	\$ 920.00
Daniel Elmlad	06/05/19	2.0 - Attended (via WebEx) PG&E's mandatory 2020 GRC rebuttal testimony training; 1.0 With PG&E team - revised response for JXXX 0YY QZ for final draft submission to PG&E Law team for review	3.0	\$ 325.00	\$ 975.00
Aldryn Estacio	06/05/19	Meeting with B. Wong (PG&E) to discuss the whiteboards with question and answer session.	2.8	\$ 400.00	\$ 1,120.00
Jason Weng	06/05/19	Develop revised draft of AMS Program Execution dashboard focusing on EC notifications compliance dates.	3.6	\$ 325.00	\$ 1,170.00

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Name	Date	Description	Hours	Rate	Amount
Mark Martin	06/05/19	Created project view formatters which are code constructs that display data in a certain way (like dates in a YYYY/MM/DD format; 2004/02/21) utilizing JavaScript.	3.0	\$ 400.00	\$ 1,200.00
Adrian Irwin	06/05/19	In-progress incorporation of database connections to/ project - /projects lambdas.	3.8	\$ 325.00	\$ 1,235.00
Aldryn Estacio	06/05/19	Focusing on Line of Business (LOB) views which includes the new consequence bar charts: specifically updating 10 consequence charts with line chart design.	3.2	\$ 400.00	\$ 1,280.00
Mark Martin	06/05/19	Created project view custom data table cell renders for the project view which renders format the way text appears in each cell in a table utilizing JavaScript.	3.4	\$ 400.00	\$ 1,360.00
Cy Whitten	06/05/19	0.3 meeting with Brian Wei to discuss updates to procedure document 2 regarding the section on GNT analysis for EC tag scoring	0.3	\$ 325.00	\$ 97.50
Cy Whitten	06/05/19	0.3 meeting with Dennis Cha to discuss updates to procedure document 2 regarding the section on severity score for EC tag scoring	0.3	\$ 325.00	\$ 97.50
Allison Smith	06/05/19	Repointed files in workflow to point to new files as of 6/5 .1; Created new output folder, as of 6/5, for this week's files to be pointed to (.1); Executed workflow to create new output as of 6/5 (.1)	0.3	\$ 325.00	\$ 97.50
David Ross	06/05/19	.3 Follow-up with J. Mahoney (KPMG) regarding analytical and modeling resources required by PG&E to support regression analysis.	0.3	\$ 400.00	\$ 120.00
Cy Whitten	06/05/19	0.3Finalize procedure document 1 for meeting with M. Broida (KPMG) to discuss updates needed for procedure document ;0.1 sent procedure document 1 to Matt Broida for his review	0.4	\$ 325.00	\$ 130.00
Allison Smith	06/05/19	.3 Reviewed PG&E Project Bundling output file created on 6/5/19 to confirm notification groupings were accurate in advance of sending to the client. .1 Updated the run bundling Alteryx Create Structure DB workflow to group notifications by team responsible and categorize high priority based on the New AMS Pending Notification_06032019 file	0.4	\$ 325.00	\$ 130.00
Tia Mason	06/05/19	.5 Meeting with M. Broida, B. Wei, M. Xu, G. Thapan (KPMG) to discuss vegetation data and potential modeling methods for vegetation model and distribution risk model.	0.5	\$ 325.00	\$ 162.50
Marcus Xu	06/05/19	Discussion regarding the Tableau visualization with B. Wei, D. Ross (KPMG). (0.5)	0.5	\$ 325.00	\$ 162.50
Marcus Xu	06/05/19	Discussion regarding the vegetation management modeling methods with M. Broida, B. Wei, D. Ross (KPMG). (0.5)	0.5	\$ 325.00	\$ 162.50
David Ross	06/05/19	.5 Call with M. Broida (KPMG) to discuss team goals to be accomplished by week end for PG&E under task 1.	0.5	\$ 400.00	\$ 200.00

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Gaurav Thapan-Raina	06/05/19	(.5) Met with M. Broida, M. Xu, D. Ross (KPMG) to discuss unified vegetation management dataset and options for predictive analytics (logistic regression/classification modeling)	0.5	\$ 400.00	\$ 200.00
David Ross	06/05/19	.5 Meeting with M. Xu, B. Wei (KPMG) to discuss progress on Tableau data visualization for distribution risk model	0.5	\$ 400.00	\$ 200.00
David Ross	06/05/19	.5 Meeting with M. Broida, T. Mason, B. Wei, M. Xu, G. Thapan (KPMG) to discuss vegetation data and potential modeling methods for vegetation model and distribution risk model.	0.5	\$ 400.00	\$ 200.00
David Ross	06/05/19	.5 Meeting with S. Adderly, J. Thalman (PG&E), M. Xu, B. Wei (KPMG) to discuss distribution risk model and modifiers	0.5	\$ 400.00	\$ 200.00
Matt Broida	06/05/19	(.5) Discussion regarding the Vegetation data and potential modeling methods including data sets, population parameters and regression options with M. Xu, G. Thapan-Raina (KPMG).	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/05/19	(.5) End of day review of EC tag scoring documentation progress with C. Whitten (KPMG).	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/05/19	(.5) Review, concurrently performing revisions to the document Distributions of Scoring Components_060519a.pptx, revised document for J. E. Thalman (PG&E).	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/05/19	(.5) Tableau status meeting for Dx model with D. Gaspar and D. Ross (KPMG) to review progress and discuss data incorporation.	0.5	\$ 435.00	\$ 217.50
Brian Wei	06/05/19	Aggregate vegetation data in usable format to input into risk reduction model (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/05/19	For the grouped data workflow to be sent to the engineering reviews, generated circuit data (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/05/19	Generated updated histograms for weighted / unweighted standardized risk scores (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/05/19	Mapped vegetation data to the nearest pole for use in the risk reduction model (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/05/19	Participated in meeting with J. Thalman, S. Adderly, R. Griffith, J. Mathieson, R. Beasla, C. Speck, F. Ku, N. Anjum (PG&E) to discuss the potential use of FEA model results in the risk reduction model (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/05/19	Participated in meeting with R. Smith, S. Adderly, J. Thalman, K. Visram (PG&E), D. Ross, M. Xu (KPMG) to discuss the request of a full list of poles mapped to protection zones (1.0).	1.0	\$ 275.00	\$ 275.00
Cy Whitten	06/05/19	1.0 update procedure 1 document based on meeting with M. Broida (KPMG)	1.0	\$ 325.00	\$ 325.00
Marcus Xu	06/05/19	Participated in meeting with R. Smith, S. Adderly, J. Thalman, K. Visram (PG&E), D. Ross, B. Wei (KPMG) to discuss the request of a full list of poles mapped to protection zones (1.0).	1.0	\$ 325.00	\$ 325.00

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Name	Date	Description	Hours	Rate	Amount
Marcus Xu	06/05/19	(1.0) Meeting to utilize FEA results in system modeling, form clear / common understanding between meeting participants of the FEA modeling method and results, and identify next steps on how to best utilize these simulation results in system modeling with J. E. Thalman, N. Anjum, J.C. Mathieson (PG&E), M. Broida (KPMG).	1.0	\$ 325.00	\$ 325.00
David Ross	06/05/19	.9 Manager review to help PG&E ensure the validity of the data being used under Task 1	0.9	\$ 400.00	\$ 360.00
Lucy Cai	06/05/19	(1.4) Perform mapping out of the file in Alteryx to show a visual map of where the 3k variance appears compared to HFTD zones.	1.4	\$ 275.00	\$ 385.00
Gaurav Thapan-Raina	06/05/19	(1.0) Pre-processed new combined dataset (dropped column features not relevant to the analysis, conducted preliminary visualization of key features, created mappings and groupings as part of the data cleaning process)	1.0	\$ 400.00	\$ 400.00
David Ross	06/05/19	.6 Meeting with S. Gillerin, J. Thalman, S. Adderly (PG&E) to discuss meteorology data for use in distribution risk model. .4 Manager review of weekly transmission bundling output for PG&E	1.0	\$ 400.00	\$ 400.00
David Ross	06/05/19	1.0 Analyze outage data set to understand causes of major event days (MED) to determine ability to use MED as a meteorology modifier of distribution risk model.	1.0	\$ 400.00	\$ 400.00
Brian Wei	06/05/19	Checked distribution poles to determine if they map correctly to the HFTD zones in order to determine accuracy of the data (1.5).	1.5	\$ 275.00	\$ 412.50
Matt Broida	06/05/19	(1.0) Meeting to utilize FEA results in system modeling, form clear / common understanding between meeting participants of the FEA modeling method and results, and identify next steps on how to best utilize these simulation results in system modeling with J. E. Thalman, N. Anjum, J.C. Mathieson (PG&E), D. Ross (KPMG).	1.0	\$ 435.00	\$ 435.00
Matt Broida	06/05/19	(1.0) Review, concurrently updating SME changes / input for document 1 with C. Whitten (KPMG).	1.0	\$ 435.00	\$ 435.00
Marcus Xu	06/05/19	Review, concurrently sanitizing the vegetation outage / GNT data. (1.5)	1.5	\$ 325.00	\$ 487.50
David Ross	06/05/19	Analyze Tableau rendering for distribution risk model to consider improvements and changes for PG&E	1.3	\$ 400.00	\$ 520.00
Brian Wei	06/05/19	Updated Alteryx workflow for the grouped data for engineering reviews to incorporate R. Smith's (PG&E) list of poles and protection zones (2.0).	2.0	\$ 275.00	\$ 550.00
David Ross	06/05/19	Meeting with R. Smith, J. Thalman, S. Adderly (PG&E), M. Xu, B. Wei (KPMG) to discuss data challenges in connecting distribution poles to protection zones	1.5	\$ 400.00	\$ 600.00
Cy Whitten	06/05/19	2.0 updates to procedure document 2 based on feedback from Matt Broida, Brian Wei, and Dennis Cha	2.0	\$ 325.00	\$ 650.00

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Matt Broida	06/05/19	(1.5) Meeting to review EO Risk Framework - Prototype 1 Dx model meteorology input data, gain clear and common insight of the Dx model structure, the available meteorology data, and identify potential ways to incorporate meteorology data into the Dx model as a modifier with J. E. Thalman, N. Moran (PG&E), M. Xu, B. Wei (KPMG).	1.5	\$ 435.00	\$ 652.50
Lucy Cai	06/05/19	(2.4) Analyzed 3k difference in mapping from shapefiles / GIS for HFTDs by isolating the population in Excel.	2.4	\$ 275.00	\$ 660.00
Tia Mason	06/05/19	Updated the Alteryx workflow, as of 06/05/19, for vegetation for PG&E.	2.3	\$ 325.00	\$ 747.50
Tia Mason	06/05/19	Continue, as of 6/5, creating slides outlining the Alteryx vegetation workflow for PG&E.	2.4	\$ 325.00	\$ 780.00
Tia Mason	06/05/19	Updating, as of 06/05/19, the Excel worksheet with new cuts of the data for vegetation for PG&E.	2.8	\$ 325.00	\$ 910.00
Marcus Xu	06/05/19	Develop the initial vegetation GNT regression model in R. (3.0)	3.0	\$ 325.00	\$ 975.00
Lucy Cai	06/05/19	(3.6) Review / compile data inputs used in distribution pole identification workstream, concurrently comparing GIS HFTD mappings to mappings done in Alteryx using HFTD shapefiles provided by the CPUC.	3.6	\$ 275.00	\$ 990.00
Gaurav Thapan-Raina	06/05/19	Conducted analysis of key features that may impact tree failures – specifically looked at soil condition, tree lean, terrain features, slope incline and extent of tree height and diameter-to-breast height	2.6	\$ 400.00	\$ 1,040.00
Matt Broida	06/05/19	(2.5) Perform document 2 review for EC tag scoring process, concurrently revising, and aligning on next steps to finalize document and submission for PG&E review	2.5	\$ 435.00	\$ 1,087.50
Cy Whitten	06/05/19	3.9 Continue to apply updates to procedure document 1 based on M. Broida (KPMG) comments	3.9	\$ 325.00	\$ 1,267.50
Gaurav Thapan-Raina	06/05/19	Prepared revised analysis based on new cuts of the data that included identifying top 10 tree species per district that are resulting in outages and GNTs, blending tree population data and assessing the proportion of tree failure by species as a percentage of the total tree population.	3.9	\$ 400.00	\$ 1,560.00
Cy Whitten	06/06/19	Attend call with S. Stoddard, K. McNamara (KPMG) to address request from S. Singh (PG&E) for a program status update and roadmap.	0.2	\$ 325.00	\$ 65.00
Cy Whitten	06/06/19	Email the updated driver analysis workbook to K. Caron (KPMG).	0.2	\$ 325.00	\$ 65.00
Cole Gallagher	06/06/19	Update model to display summed / mean environmental consequences for each iteration in order to demonstrate inflation from summing the environmental score.	0.2	\$ 325.00	\$ 65.00
Preston Devaney	06/06/19	Reviewed outputs of the environmental consequence to help determine the impact of using a risk score instead of a financial amount.	0.3	\$ 275.00	\$ 82.50

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Scott Stoddard	06/06/19	Attend call with K. McNamara, C. Whitten (KPMG) to address request from S. Singh (PG&E) for a program status update and roadmap.	0.2	\$ 435.00	\$ 87.00
Kyle McNamara	06/06/19	Attend call with S. Stoddard, C. Whitten (KPMG) to address request from S. Singh (PG&E) for a program status update and roadmap.	0.2	\$ 435.00	\$ 87.00
Kyle McNamara	06/06/19	Update, as of 06/06/19, the program oversight status report.	0.2	\$ 435.00	\$ 87.00
Matthew Bowser	06/06/19	Meeting for ECOP Weekly Status Report Review with S. Stoddard (KPMG) and J.C. Mathieson (PG&E). (partial attendance).	0.3	\$ 325.00	\$ 97.50
Cy Whitten	06/06/19	Meeting between K. Caron and C. Whitten (KPMG) to discuss project task 3 analysis support (probabilities for ElecOps sub units).	0.3	\$ 325.00	\$ 97.50
Kirk-Patrick Caron	06/06/19	Meeting between K. Caron and C. Whitten (KPMG) to discuss project task 3 analysis support (probabilities for ElecOps sub units).	0.3	\$ 400.00	\$ 120.00
Cole Gallagher	06/06/19	Acquire individual risk scores for every iteration of environmental consequences to show outliers on risk score using sum methodology on environmental consequence impact scores.	0.4	\$ 325.00	\$ 130.00
Kyle McNamara	06/06/19	Performed manager review of task status reports as of 06/06/19.	0.3	\$ 435.00	\$ 130.50
Kyle McNamara	06/06/19	Update, as of 06/06/19, the risk / change logs.	0.3	\$ 435.00	\$ 130.50
Preston Devaney	06/06/19	Meeting with K. McNamara, C. Gallagher (KPMG) to prepare for Friday's code review workshop.	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/06/19	Attended Past-due tag forecast scenario review with J.C. Mathieson, H. Grover, M. Amir, L. Bayne, J. Seifert (PG&E), S. Stoddard (KPMG).	0.5	\$ 275.00	\$ 137.50
Preston Devaney	06/06/19	Created a sample input sheet to test the functionality of escalating yearly inputs across many years.	0.5	\$ 275.00	\$ 137.50
Preston Devaney	06/06/19	Created testing code to demonstrate the functionality of escalating yearly inputs across many years.	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/06/19	EC tag Optimization Bi-weekly Huddle Meeting with J.C. Mathieson, P. McCabe, B. Koelling, O. Takeshima, E. Scaief, D. Thayer, C. Araquistain, T. Pazdan, J. Birch, H. Duncan, R. Franks, J. E. Thalman, J. Tong (Lieu), D. Durbin (PG&E), B. Tuffley (B&V), S. Stoddard, D. Cha (KPMG).	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/06/19	Meeting regarding E Tag Forecast for Overall EO Prioritization and check in on status of E Tag Forecast information for overall EO Prioritization due Friday with M. Esguerra, J.C. Mathieson (PG&E), S. Stoddard (KPMG).	0.5	\$ 275.00	\$ 137.50
Gustavo Garcia	06/06/19	Discussion regarding Pole Integrity - Risk Scoring review with S. Stoddard (KPMG).	0.5	\$ 275.00	\$ 137.50
Gustavo Garcia	06/06/19	POL Huddle Meeting with S. Stoddard (KPMG) to discuss outstanding items and timeline for completion as of 06/06/19.	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/06/19	Prepare for biweekly status call by discussing PMO updates with J.C. Mathieson (PG&E) and summarizing previous huddle call.	0.5	\$ 275.00	\$ 137.50

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Name	Date	Description	Hours	Rate	Amount
Dennis Cha	06/06/19	Review Tier 3 Priority E tag forecast for tag review / execution with J.C. Mathieson, M. Esguerra (PG&E), S. Stoddard (KPMG)	0.5	\$ 275.00	\$ 137.50
Cole Gallagher	06/06/19	Meeting with K. McNamara, P. Devaney (KPMG) to prepare for Friday's code review workshop.	0.5	\$ 325.00	\$ 162.50
Cy Whitten	06/06/19	Call with K. Caron, M. Broida, J. White, T. Schenk, C. Whitten (KPMG) to discuss integration between Tasks 1 and 3, including analysis and client meetings that can be shared among the tasks.	0.5	\$ 325.00	\$ 162.50
Carlo Toribio	06/06/19	Communication with A. Irwin (KPMG) regarding comments on codes for Login page.	0.5	\$ 325.00	\$ 162.50
Adrian Irwin	06/06/19	Per client request, attend Task 3 6/6 status call with K. McNamara, K. Caron, T. Schenk (KPMG) and B. Wong (PG&E).	0.5	\$ 325.00	\$ 162.50
Gustavo Garcia	06/06/19	Discussion with J. Birch (PG&E) regarding path forward for pole integrity.	0.6	\$ 275.00	\$ 165.00
Preston Devaney	06/06/19	Review, concurrently testing the seeding functionality of the Python code	0.7	\$ 275.00	\$ 192.50
Jason Weng	06/06/19	Attended 6/6 EC Tag assignment call led by G. Race (PG&E) and Internal Estimating & Design supervisor team providing support on use of Tableau dashboard and any additional ad hoc reports required.	0.6	\$ 325.00	\$ 195.00
Kirk-Patrick Caron	06/06/19	Call with M. Broida, K. McNamara, J. White, T. Schenk (KPMG) to discuss integration between Tasks 1 and 3, including analysis and client meetings that can be shared among the tasks.	0.5	\$ 400.00	\$ 200.00
Kirk-Patrick Caron	06/06/19	Per client request, attend Task 3 6/6 status call with K. McNamara, T. Schenk, A. Irwin (KPMG) and B. Wong (PG&E).	0.5	\$ 400.00	\$ 200.00
Kyle McNamara	06/06/19	Per client request, attend Task 3 - 6/6 status call with K. Caron, T. Schenk, A. Irwin (KPMG) and B. Wong (PG&E).	0.5	\$ 435.00	\$ 217.50
Scott Stoddard	06/06/19	Attended Past-due tag forecast scenario review with J.C. Mathieson, H. Grover, M. Amir, L. Bayne, J. Seifert (PG&E), D. Cha (KPMG).	0.5	\$ 435.00	\$ 217.50
Kyle McNamara	06/06/19	Call with K. Caron, M. Broida, J. White, T. Schenk, C. Whitten (KPMG) to discuss integration between Tasks 1 and 3, including analysis and client meetings that can be shared among the tasks.	0.5	\$ 435.00	\$ 217.50
Scott Stoddard	06/06/19	EC tag Optimization Bi-weekly Huddle Meeting with J.C. Mathieson, P. McCabe, B. Koelling, O. Takeshima, E. Scaief, D. Thayer, C. Araquistain, T. Pazdan, J. Birch, H. Duncan, R. Franks, J. E. Thalman, J. Tong (Lieu), D. Durbin (PG&E), B. Tuffley (B&V), S. Stoddard, D. Cha (KPMG).	0.5	\$ 435.00	\$ 217.50
Scott Stoddard	06/06/19	Meeting for ECOP Weekly Status Report Review with M. Bowser (KPMG) and J.C. Mathieson (PG&E).	0.5	\$ 435.00	\$ 217.50

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Name	Date	Description	Hours	Rate	Amount
Scott Stoddard	06/06/19	Meeting regarding E Tag Forecast for Overall EO Prioritization and check in on status of E Tag Forecast information for overall EO Prioritization due Friday with M. Esguerra, J.C. Mathieson (PG&E), D. Cha (KPMG).	0.5	\$ 435.00	\$ 217.50
Scott Stoddard	06/06/19	Discussion regarding Pole Integrity - Risk Scoring review with G. Garcia (KPMG).	0.5	\$ 435.00	\$ 217.50
Kyle McNamara	06/06/19	Meeting with C. Gallagher, P. Devaney (KPMG) to prepare for Friday's code review workshop.	0.5	\$ 435.00	\$ 217.50
Tom Schenk	06/06/19	Per client request, attend Task 3 6/6 status call with K. McNamara, K. Caron, A. Irwin (KPMG) and B. Wong (PG&E).	0.5	\$ 435.00	\$ 217.50
Scott Stoddard	06/06/19	POL Huddle Meeting with G. Garcia (KPMG) to discuss outstanding items and timeline for completion as of 06/06/19.	0.5	\$ 435.00	\$ 217.50
Dennis Cha	06/06/19	Updated biweekly core team huddle meeting minutes based on comments from S. Stoddard (KPMG) (.7) and distributed to the core KPMG / PG&E teams (.1).	0.8	\$ 275.00	\$ 220.00
Cole Gallagher	06/06/19	Update modeled counts function as it is not returning individual environmental consequences.	0.7	\$ 325.00	\$ 227.50
Cy Whitten	06/06/19	Update, as of 06/06/19, driver analysis workbook with methodology based on total asset count.	0.7	\$ 325.00	\$ 227.50
Matthew Bowser	06/06/19	Meeting regarding AMS Check-In Commission Preparation with S. Cullings, H. Duncan, J.C. Mathieson, M. Tekeste, M. Esguerra, S. Calvert, M. Camara, M. Putnam, A. Sharp, J. McDougal, P. Bostley (PG&E), and S. Stoddard (KPMG).	0.8	\$ 325.00	\$ 260.00
Cole Gallagher	06/06/19	Review mitigation re-application calculation, concurrently updating.	0.8	\$ 325.00	\$ 260.00
Adrian Irwin	06/06/19	Meeting with A. Estacio (KPMG) to review the Task 3 development process as of 6/6	1.0	\$ 325.00	\$ 325.00
Adrian Irwin	06/06/19	Meeting with M. Martin (KPMG) regarding converting / incorporating designs into the latest version of the app.	1.0	\$ 325.00	\$ 325.00
Jason Weng	06/06/19	Meeting with S. Cullings (PG&E) to review updated inspections findings.	1.0	\$ 325.00	\$ 325.00
Dennis Cha	06/06/19	Discussion regarding PMO action items on informational / recordkeeping tags, resolution on F tags, duplicate tag process updates, IT upgrade for Priority H, and 5-minute meeting announcement with J.C. Mathieson (PG&E).	1.2	\$ 275.00	\$ 330.00
Scott Stoddard	06/06/19	Meeting regarding AMS Check-In Commission Preparation with S. Cullings, H. Duncan, J.C. Mathieson, M. Tekeste, M. Esguerra, S. Calvert, M. Camara, M. Putnam, A. Sharp, J. McDougal, P. Bostley (PG&E), and M. Bowser (KPMG).	0.8	\$ 435.00	\$ 348.00
Scott Stoddard	06/06/19	Review EC Tag prioritization procedures in preparation for meeting for EC Tag Documentation.	0.8	\$ 435.00	\$ 348.00
Jason Weng	06/06/19	Meeting with P. McCabe (PG&E) to discuss what is included in WWE EC notification data set.	1.1	\$ 325.00	\$ 357.50

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Name	Date	Description	Hours	Rate	Amount
Jason Weng	06/06/19	Performed preliminary analysis of possible options to developed forecast of expected work completed dates for outstanding notifications.	1.2	\$ 325.00	\$ 390.00
Adrian Irwin	06/06/19	Separated mocked data from the pre-seeded reference / status data.	1.2	\$ 325.00	\$ 390.00
Kirk-Patrick Caron	06/06/19	Attend Meeting with B. Wong, Y. Oum, and V. Loh (PG&E), and PG&E representatives from the Real Estate and Seismic practices to physical risk for PG&E real estate holdings.	1.0	\$ 400.00	\$ 400.00
Aldryn Estacio	06/06/19	Meeting with A. Irwin (KPMG) to review the Task 3 development process as of 6/6	1.0	\$ 400.00	\$ 400.00
Mark Martin	06/06/19	Meeting with A. Irwin (KPMG) regarding converting / incorporating designs into the latest version of the app.	1.0	\$ 400.00	\$ 400.00
Kirk-Patrick Caron	06/06/19	Update, as of 06/06/19, the EBRR Master File with details from prior day's substation SME session.	1.0	\$ 400.00	\$ 400.00
Gustavo Garcia	06/06/19	Follow-up with L. LoGrande (PG&E) to finalize the total count of poles to be inspected by emailing / phone calls. (.3) Review of pole count for accuracy, concurrently creating a meta-data spreadsheet. (1.2)	1.5	\$ 275.00	\$ 412.50
Adrian Irwin	06/06/19	Integrated /login lambda with login page (Task 3)	1.3	\$ 325.00	\$ 422.50
Adrian Irwin	06/06/19	Updated init / seed / wipe SQL commands.	1.3	\$ 325.00	\$ 422.50
Scott Stoddard	06/06/19	Meeting regarding EC Tag Validation and assessment of tags to circuits with J.C. Mathieson, P. McCabe, B. Koelling, O. Takeshima, E. Scaief, D. Thayer, C. Araquistain, and T. Pazdan (PG&E).	1.0	\$ 435.00	\$ 435.00
Kirk-Patrick Caron	06/06/19	Attend Meeting with B. Wong, Y. Oum, V. Loh, and D. Pant (PG&E) to discuss ElecOps Data, next steps for data analysis, and related reporting.	1.2	\$ 400.00	\$ 480.00
Kirk-Patrick Caron	06/06/19	Review EIR (Incident Reporting), concurrently capturing relevant detail for consequence reporting purposes in ElecOps bowties.	1.2	\$ 400.00	\$ 480.00
Daniel Elmlad	06/06/19	1.5 - Revised response for PX 1YY QZ for final draft submission to PG&E Law team for review	1.5	\$ 325.00	\$ 487.50
Kirk-Patrick Caron	06/06/19	Prepare Transmission Overhead driver probability calculations with related mapping for ElecOps Data Review session.	1.3	\$ 400.00	\$ 520.00
Adrian Irwin	06/06/19	Incorporate the overlay for /login lambda (Task 3)	1.6	\$ 325.00	\$ 520.00
Mark Martin	06/06/19	Create the CSS files which control the style of the application for the project view.	1.4	\$ 400.00	\$ 560.00
Dennis Cha	06/06/19	Update, as of 06/06/19, the EC Optimization program weekly status report based on comments from S. Stoddard (KPMG).	2.1	\$ 275.00	\$ 577.50
Kirk-Patrick Caron	06/06/19	Attend meeting with B. Wong, Y. Oum, V. Loh (PG&E), PG&E representatives from GasOps, ERIM, Real Estate, IT, and Investment planning as part of the monthly EORM RAMP Model working session.	1.5	\$ 400.00	\$ 600.00
Aldryn Estacio	06/06/19	Reconfigure tables to incorporate search options.	1.6	\$ 400.00	\$ 640.00
Cole Gallagher	06/06/19	Update, as of 06/06/19, the discrete sampling function to return individual sampling choices for environmental consequences in order to demonstrate unintended inflation of risk score.	2.1	\$ 325.00	\$ 682.50

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Name	Date	Description	Hours	Rate	Amount
Dennis Cha	06/06/19	Finalized PowerPoint slide for Tier 3 Priority E tag forecast for tag review / execution based on review with J.C. Mathieson (PG&E) and S. Stoddard (KPMG).	2.5	\$ 275.00	\$ 687.50
Jason Weng	06/06/19	Update, as of 06/06/19, the Internal Estimating & Design Weekly throughput / progress reports with current EC tag data.	2.4	\$ 325.00	\$ 780.00
Jason Weng	06/06/19	Incorporate filter to existing Internal Estimating & Design Throughput reports to exclude the Camp Fire Rebuild as requested by C. Briskey (PG&E).	2.6	\$ 325.00	\$ 845.00
Gustavo Garcia	06/06/19	Reviewing Task 2 email documentation, concurrently saving attachments sent by the client to be used for further reference in the engagement / workpaper documentation for Task 2.	3.1	\$ 275.00	\$ 852.50
Dennis Cha	06/06/19	Prepare EC Optimization program 6/6 status report for ultimate communication to client	3.4	\$ 275.00	\$ 935.00
Mark Martin	06/06/19	Continue, from earlier in the day, to create the CSS files which control the style of the application for the project view.	2.5	\$ 400.00	\$ 1,000.00
Aldryn Estacio	06/06/19	Design update of the new navigation paradigm for the web-app.	2.5	\$ 400.00	\$ 1,000.00
Mark Martin	06/06/19	Continue, as of 6/6, to create the CSS files which control the style of the application for the project view.	2.8	\$ 400.00	\$ 1,120.00
Mark Martin	06/06/19	Refine the CSS files after discussion / comments from A. Irwin (KPMG).	2.9	\$ 400.00	\$ 1,160.00
Carlo Toribio	06/06/19	Resolve issues on Login page based on A. Irwin's (KPMG) comments on the code focusing on replacing an HTML tag called <div>, concurrently integrating with the newer <section>, <article>, <nav>, etc. tags.	3.7	\$ 325.00	\$ 1,202.50
Carlo Toribio	06/06/19	Resolve issues on Login page based on A. Irwin's (KPMG) comments on the code focusing on ensuring that the login page is the first thing that loads which required setting up some routing / navigation (the same routing sub-system that will be used in the rest of the application).	3.8	\$ 325.00	\$ 1,235.00
Aldryn Estacio	06/06/19	Controls for the consequence module: Prepare display of 10 bar charts with the ability to switch views to a line chart, concurrently designing a pop-up option / module swap option / all chart swap option.	3.3	\$ 400.00	\$ 1,320.00
Cy Whitten	06/06/19	0.3 meeting with Dennis Cha to discuss EC tag procedure integration with engineering optimization procedure	0.3	\$ 325.00	\$ 97.50
Matt Broida	06/06/19	(.3) Communication with B. Wei (KPMG) regarding on-going PG&E EC tag review support.	0.3	\$ 435.00	\$ 130.50
Matt Broida	06/06/19	(.3) Prepare Task 1 status report, as 6/6, in order to update PG&E	0.3	\$ 435.00	\$ 130.50
Matt Broida	06/06/19	(.3) Communication with J. McMillan-Wilhoit (KPMG) regarding on-going PG&E EC tag review support.	0.3	\$ 435.00	\$ 130.50

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Name	Date	Description	Hours	Rate	Amount
Brian Wei	06/06/19	Participated in meeting with J. Thalman (PG&E) and M. Broida (KPMG) to discuss distribution of risk scores and risk score components (0.5).	0.5	\$ 275.00	\$ 137.50
Brian Wei	06/06/19	Updated slides on risk score distributions to show to J. Thalman (0.5).	0.5	\$ 275.00	\$ 137.50
Brian Wei	06/06/19	Updated workflow to calculate risk scores (0.5).	0.5	\$ 275.00	\$ 137.50
Marcus Xu	06/06/19	Participate in check-in meeting with B. Wei, M. Broida (KPMG) and J. Thalman (PG&E) to discuss the modeling update as of 06/06/19. (0.5)	0.5	\$ 325.00	\$ 162.50
Gaurav Thapan-Raina	06/06/19	(.5) Phone meeting with PG&E Vegetation Management team and forestry specialists from UC Davis. The call discussed potential inputs from UC Davis in the PG&E study, alternative tree assessment models to assess and determine how PG&E's existing tree assessment tool could be improved	0.5	\$ 400.00	\$ 200.00
Gaurav Thapan-Raina	06/06/19	(.5) Reviewed draft of preliminary findings for S. Singh (PG&E) with J. White, M. Broida (KPMG)	0.5	\$ 400.00	\$ 200.00
Matt Broida	06/06/19	(.5) EC tag documentation integration between task 1 and 2 with S. Stoddard, C. Whitten, D. Cha (KPMG).	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/06/19	(.5) Alignment on summary of key findings for current vegetation study with G. Thapan-Raina (KPMG).	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/06/19	(.5) Discussion regarding vegetation document outline given data cuts and next steps to finalize with G. Thapan-Raina (KPMG).	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/06/19	(.5) EC tag Optimization bi-weekly Huddle (6/6/19) with J.C. Mathieson, P. McCabe (PG&E), D. Cha (KPMG), B. Koelling (BV).	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/06/19	(.5) Task 1 and 3 alignment discussion on data sets, SMEs and methodology with C. Whitten, K. Caron, K. McNamara, T. Schenk (KPMG).	0.5	\$ 435.00	\$ 217.50
Jonathan White	06/06/19	Task 1 and Task 3 alignment meeting with K. Caron, C. Whitten, M. Broida, K. McNamara (KPMG). (0.5)	0.5	\$ 475.00	\$ 237.50
Brian Wei	06/06/19	Cleaned circuit variable from the EC tag data set to match conventional circuit naming within client's system (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/06/19	Generated histograms of risk scores in updated formats and bar charts to show contributions to the risk score from probability, REAX and egress (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/06/19	Participated in meeting with P McCabe, J. Cummings (PG&E), G. Chatha, B. Tuffley (BV), and M. Broida to discuss updates to the visualization tool (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/06/19	Reviewed workflows to determine tier 1, non-Zone 1 pole population in order to validate the in-scope poles under review (1.0).	1.0	\$ 275.00	\$ 275.00
Tia Mason	06/06/19	Meeting with G. Thapan-Raina, J. White (KPMG) regarding vegetation model for PG&E.	1.0	\$ 325.00	\$ 325.00

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Name	Date	Description	Hours	Rate	Amount
Tia Mason	06/06/19	Meeting with P. McCabe (PG&E), M. Broida, B. Wei, S. Stoddard, T. Mason (KPMG), G. Chatha, B. Tuffley (both B&V) J. C. Mathieson, J. Cummings (PG&E) regarding data visualization for PG&E.	1.0	\$ 325.00	\$ 325.00
Brian Wei	06/06/19	Generated 15 circuits for grouped data engineering reviews (1.5).	1.5	\$ 275.00	\$ 412.50
Tia Mason	06/06/19	Updating, as of 06/06/19, the Excel worksheet with new cuts of the data for vegetation for PG&E.	1.3	\$ 325.00	\$ 422.50
Matt Broida	06/06/19	(1.0) Risk Model status meeting to review model methodology and scoring components, and alignment on next steps with J. E. Thalman, K. Visram (PG&E), M. Xu, B. Wei (KPMG).	1.0	\$ 435.00	\$ 435.00
David Ross	06/06/19	Manager review, as of 6/6, of data sets being used for data visualization of risk model.	1.1	\$ 400.00	\$ 440.00
Lucy Cai	06/06/19	(1.7) Ran transmission bundling workflow to cluster pending repair notifications into groups by location / workstream.	1.7	\$ 275.00	\$ 467.50
Jonathan White	06/06/19	Managing director review of Vegetation study executive summary. (1.0)	1.0	\$ 475.00	\$ 475.00
Jonathan White	06/06/19	Vegetation study executive summary preparation with G. Thapan-Raina, T. Mason (KPMG). (1.0)	1.0	\$ 475.00	\$ 475.00
Matt Broida	06/06/19	(1.3) PG&E Hazard Tree Study review with PG&E SMEs to obtain external validation with G. Thapan-Raina (KPMG), K. Loomis, M. Frauenheim (PG&E), and S. Brayton (UC Davis).	1.3	\$ 435.00	\$ 565.50
Matt Broida	06/06/19	(1.3) Data Visualization Processes review of the different data visualization processes to confirm that they're outputting the same information with P. McCabe, J. Cummings (PG&E), B. Wei (KPMG), G. Chatha, B. Koelling (both B&V).	1.3	\$ 435.00	\$ 565.50
Matt Broida	06/06/19	(1.3) Review of new data cuts insights for vegetation data with T. Mason, G. Thapan-Raina (KPMG).	1.3	\$ 435.00	\$ 565.50
David Ross	06/06/19	Analyze Tableau data visualization output for PG&E's review	1.5	\$ 400.00	\$ 600.00
Cy Whitten	06/06/19	2.1 continued to update EC tag scoring procedure based on feedback from Brian Wei and Matt Broida	2.1	\$ 325.00	\$ 682.50
Lucy Cai	06/06/19	(2.5) Compare distribution pole population used in distribution pole identification workstream with distribution pole population used in protection zone mapping workstream, concurrently noting any variances in SAP equipment id numbers / HFTDs.	2.5	\$ 275.00	\$ 687.50
Tia Mason	06/06/19	Implementing, as of 06/06/19, revisions into the Alteryx workflow for vegetation for PG&E.	2.2	\$ 325.00	\$ 715.00
David Ross	06/06/19	Update methodology and scope document for the distribution risk model in advance of PG&E leadership review	1.9	\$ 400.00	\$ 760.00
Tia Mason	06/06/19	Continue, as of 6/6, to populate slides for the Alteryx vegetation workflow for PG&E.	2.5	\$ 325.00	\$ 812.50
Marcus Xu	06/06/19	Modified the Percentile calculation of the Relax score in Alteryx .(2.5)	2.5	\$ 325.00	\$ 812.50

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Name	Date	Description	Hours	Rate	Amount
Marcus Xu	06/06/19	Updated the asset panel calculation workflow to output the asset level / protection zone / circuit level output. (2.5)	2.5	\$ 325.00	\$ 812.50
Cy Whitten	06/06/19	Updated EC tag scoring procedure based on feedback from Brian Wei and Matt Broida	3.0	\$ 325.00	\$ 975.00
Marcus Xu	06/06/19	Perform analysis on the standardized risk score to decompose the contribution percentage across three components. (3)	3.0	\$ 325.00	\$ 975.00
Lucy Cai	06/06/19	(3.9) Continue, from earlier on 6/6, to compare distribution pole population used in distribution pole identification workstream with distribution pole population used in protection zone mapping workstream, concurrently noting any variances in SAP equipment id numbers / HFTDs.	3.9	\$ 275.00	\$ 1,072.50
Gaurav Thapan-Raina	06/06/19	Assessed variations of tree features across divisions and created relevant output, assessed which tree species could be potentially targeted for vegetation management.	3.1	\$ 400.00	\$ 1,240.00
Gaurav Thapan-Raina	06/06/19	Conducted detailed analysis and prepared preliminary findings from the data for (PG&E) and C. Moreland (PG&E) – the analysis included preparation of incident concentration location heat maps during the fire and non-fire season, correlation analysis of key features in the dataset and descriptive statistical analysis of tree species by age, diameter-to-breast height and height	3.8	\$ 400.00	\$ 1,520.00
Dennis Cha	06/07/19	Discussion regarding tag review and execution forecast as related to volume and frequency of shut-offs based on MAT codes with J.C. Mathieson (PG&E) and J. Weng (KPMG).	0.4	\$ 275.00	\$ 110.00
Jason Weng	06/07/19	Discussion regarding tag review and execution forecast as related to volume and frequency of shut-offs based on MAT codes with J.C. Mathieson (PG&E) and D. Cha (KPMG).	0.4	\$ 325.00	\$ 130.00
Gustavo Garcia	06/07/19	Meeting regarding Pole Integrity Assessment Huddle Meeting with S. Stoddard (KPMG), J. Birch, T. Pazdan, L. Burson-Thomas, J.C. Mathieson, B. Nugent (PG&E).	0.5	\$ 275.00	\$ 137.50
Gustavo Garcia	06/07/19	POL Huddle Meeting to review Current Status with S. Stoddard (KPMG), J. Birch, J.C. Mathieson, L. LoGrande, C. Wong, M. Thompson, J. Wright, S. Wetter (PG&E).	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/07/19	Revised weekly status report based on comments from M. Esguerra and J.C. Mathieson (PG&E)	0.5	\$ 275.00	\$ 137.50
Aldryn Estacio	06/07/19	Call with B. Wong (PG&E) and M. Ehrhardt (KPMG) to review updates to UI.	0.5	\$ 400.00	\$ 200.00
Aldryn Estacio	06/07/19	Review, concurrently updating designs based on B. Wong's (PG&E) InVision comment for screen for the LOB risk view.	0.5	\$ 400.00	\$ 200.00
Mark Ehrhardt	06/07/19	Call with B. Wong (PG&E) and A. Estacio (KPMG) to review updates to UI.	0.5	\$ 435.00	\$ 217.50

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Name	Date	Description	Hours	Rate	Amount
Scott Stoddard	06/07/19	Meeting regarding Pole Integrity Assessment Huddle Meeting with G. Garcia (KPMG), J. Birch, T. Pazdan, L. Burson-Thomas, J.C. Mathieson, B. Nugent (PG&E).	0.5	\$ 435.00	\$ 217.50
Scott Stoddard	06/07/19	POL Huddle Meeting to review Current Status with G. Garcia (KPMG), J. Birch, J.C. Mathieson, L. LoGrande, C. Wong, M. Thompson, J. Wright, S. Wetter (PG&E).	0.5	\$ 435.00	\$ 217.50
Gustavo Garcia	06/07/19	Filtered risk scoring data to include updates from Desktop Review.	0.8	\$ 275.00	\$ 220.00
Aldryn Estacio	06/07/19	Review, concurrently updating designs based on B. Wong's (PG&E) InVision comment for screen for the CC bowtie view.	0.6	\$ 400.00	\$ 240.00
Aldryn Estacio	06/07/19	Review, concurrently updating designs based on B. Wong's (PG&E) InVision comment for screen for the LOB view.	0.6	\$ 400.00	\$ 240.00
Mark Ehrhardt	06/07/19	Review updates to dashboard designs, concurrently drafting email to A. Estacio (KPMG) regarding same.	0.6	\$ 435.00	\$ 261.00
Gustavo Garcia	06/07/19	Meeting regarding POL VM Coordination with S. Stoddard (KPMG), J. Birch, J. Wright (PG&E).	1.0	\$ 275.00	\$ 275.00
Dennis Cha	06/07/19	Reviewed PowerPoint slide for tag review / execution forecast as related to volume and frequency of shut-offs based on MAT codes.	1.0	\$ 275.00	\$ 275.00
Aldryn Estacio	06/07/19	Review, concurrently updating designs based on B. Wong's (PG&E) InVision comment for screen for the IP view.	0.7	\$ 400.00	\$ 280.00
Dennis Cha	06/07/19	Update, as of 06/07/19, the Excel output along with the PowerPoint slide for tag review / execution forecast as related to volume / frequency of shut-offs based on MAT codes based on review.	1.2	\$ 275.00	\$ 330.00
Gustavo Garcia	06/07/19	Prepared workflow slide for presentation to PG&E: Translating the Pole Integrity workflow into a one pager slide for communication / presentation.	1.4	\$ 275.00	\$ 385.00
Aldryn Estacio	06/07/19	Review, concurrently updating designs based on B. Wong's (PG&E) InVision CC bowtie view.	1.0	\$ 400.00	\$ 400.00
Adrian Irwin	06/07/19	Incorporate POST / DELETE to /project, along with supporting 'DELETED' status on /projects."	1.3	\$ 325.00	\$ 422.50
Mark Ehrhardt	06/07/19	Crafting the task 3 UI sub-task project overview slides requested by PG&E.	1.0	\$ 435.00	\$ 435.00
Scott Stoddard	06/07/19	Meeting regarding POL VM Coordination with G. Garcia (KPMG), J. Birch, J. Wright (PG&E).	1.0	\$ 435.00	\$ 435.00
Aldryn Estacio	06/07/19	Review, concurrently updating designs based on B. Wong's (PG&E) InVision IP view.	1.2	\$ 400.00	\$ 480.00
Adrian Irwin	06/07/19	Incorporate database integration for GET projects/* / GET,DELETE project/{id}.	2.0	\$ 325.00	\$ 650.00
Adrian Irwin	06/07/19	Incorporate global config file, concurrently running script for AWS Lambdas.	2.1	\$ 325.00	\$ 682.50
Gustavo Garcia	06/07/19	Update, as of 06/07/19, the huddle meeting tracker for Task 2 which notes progress, action items and status for reporting / documentation.	2.6	\$ 275.00	\$ 715.00
Adrian Irwin	06/07/19	Incorporate POST / DELETE to project, along with supporting 'DELETED' status on /projects.	2.4	\$ 325.00	\$ 780.00

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Name	Date	Description	Hours	Rate	Amount
Jason Weng	06/07/19	Update work execution forecast per direction from J. Mathieson (PG&E).	2.4	\$ 325.00	\$ 780.00
Jason Weng	06/07/19	Call with S. Cullings (PG&E) and Work Execution team to review and discuss May Business Process Review in preparation for meeting with R. Beasla (PG&E).	2.6	\$ 325.00	\$ 845.00
Dennis Cha	06/07/19	Draft Alteryx workflow (.9), Excel output (1.0), and PowerPoint slide (1.2) for tag review / execution forecast as related to volume / frequency of shut-offs based on MAT codes.	3.1	\$ 275.00	\$ 852.50
Preston Devaney	06/07/19	Attended PG&E code review and project update workshop (afternoon session) with B. Wong, S. Jayaraman, Y. Oum, J. Ma (PG&E), T. Schenk, C. Gallagher, P. Devaney (KPMG). Topics included weekly code review , review of status of functionality implemented, roadmap for addressing open items , object-oriented programming, data input sheet, implementation plan .	4.0	\$ 275.00	\$ 1,100.00
Preston Devaney	06/07/19	Attended PG&E code review and project update workshop (morning session) with B. Wong, S. Jayaraman, Y. Oum, J. Ma (PG&E), T. Schenk, C. Gallagher, P. Devaney (KPMG). Topics included weekly code review , review of status of functionality implemented, roadmap for addressing open items , object-oriented programming, data input sheet, implementation plan .	4.0	\$ 275.00	\$ 1,100.00
Aldryn Estacio	06/07/19	Update design for the investment planner view based on the call with PG&E.	3.0	\$ 400.00	\$ 1,200.00
Carlo Toribio	06/07/19	Update, as of 06/07/19, the tab layout / design (styles, html).	3.7	\$ 325.00	\$ 1,202.50
Cole Gallagher	06/07/19	Attended PG&E code review and project update workshop (afternoon session) with B. Wong, S. Jayaraman, Y. Oum, and J. Ma (PG&E), T. Schenk, C. Gallagher, P. Devaney (KPMG). Topics included weekly code review , review of status of functionality implemented, roadmap for addressing open items , object-oriented programming, data input sheet, and implementation plan .	4.0	\$ 325.00	\$ 1,300.00
Cole Gallagher	06/07/19	Attended PG&E code review and project update workshop (morning session) with B. Wong, S. Jayaraman, Y. Oum, J. Ma (PG&E), T. Schenk, C. Gallagher, P. Devaney (KPMG). Topics included weekly code review , review of status of functionality implemented, roadmap for addressing open items , object-oriented programming, data input sheet, implementation plan .	4.0	\$ 325.00	\$ 1,300.00
Carlo Toribio	06/07/19	Update, as of 06/07/19, the tab navigation functionality.	4.1	\$ 325.00	\$ 1,332.50
Mark Martin	06/07/19	Review, concurrently updating the CSS files which control the style of the application for the project view.	3.6	\$ 400.00	\$ 1,440.00
Mark Martin	06/07/19	Create New Currency formatters which depict a specific way to handle / display monetary amount for app wide use utilizing JavaScript.	4.2	\$ 400.00	\$ 1,680.00

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Name	Date	Description	Hours	Rate	Amount
Tom Schenk	06/07/19	Attended PG&E code review and project update workshop (morning session) with B. Wong, S. Jayaraman, Y. Oum, J. Ma (PG&E), T. Schenk, C. Gallagher, P. Devaney (KPMG). Topics included weekly code review , review of status of functionality implemented, roadmap for addressing open items , object-oriented programming, data input sheet, implementation plan .	4.0	\$ 435.00	\$ 1,740.00
Tom Schenk	06/07/19	Attended PG&E code review and project update workshop (afternoon session) with B. Wong, S. Jayaraman, Y. Oum, and J. Ma (PG&E), T. Schenk, C. Gallagher, P. Devaney (KPMG). Topics included weekly code review , review of status of functionality implemented, roadmap for addressing open items , object-oriented programming, data input sheet, and implementation plan .	4.0	\$ 435.00	\$ 1,740.00
Kyle McNamara	06/07/19	Weekly code review as of 6/7 (1.5) Review, as of 6/7, of status of functionality implemented (1.5), developing roadmap for addressing open items (1.0), and data input sheet (1.5).	5.5	\$ 435.00	\$ 2,392.50
Matt Broida	06/07/19	(.3) Director review / spot check of files, concurrently coordinating with Monte Rio 1113.	0.3	\$ 435.00	\$ 130.50
Matt Broida	06/07/19	(.3) Pre-meeting alignment with G. Thapan-Raina (KPMG) for vegetation study in advance of PG&E SME Meeting.	0.3	\$ 435.00	\$ 130.50
Brian Wei	06/07/19	Participated in meeting with M. Broida, M. Xu to discuss the goals as of 6/7 to stay aligned with client (0.5).	0.5	\$ 275.00	\$ 137.50
Brian Wei	06/07/19	Participated in meeting with S. Adderly, J. Thalman (PG&E), M. Broida, M. Xu (KPMG) to discuss updates to risk reduction model as of 6/7 (0.5).	0.5	\$ 275.00	\$ 137.50
Brian Wei	06/07/19	Updated data sources log to reflect most current information as of 6/7 (0.5).	0.5	\$ 275.00	\$ 137.50
Marcus Xu	06/07/19	Participate in meeting with B. Wei, M. Broida (KPMG) to review the Risk Score Distribution Update. (0.5)	0.5	\$ 325.00	\$ 162.50
Gaurav Thapan-Raina	06/07/19	(.5) Met with J. White, M. Broida, M. Xu (KPMG) to discuss predictive analytics modeling and project plan for the next two weeks	0.5	\$ 400.00	\$ 200.00
Gaurav Thapan-Raina	06/07/19	(.5) Reviewed additional cuts of the unified dataset on sources of failure by tree species at the division level, proportion of dead vs. alive trees, extent of tree lean and tree health	0.5	\$ 400.00	\$ 200.00
Matt Broida	06/07/19	(.5) Review of PG&E Task 1 budget and resources, concurrently performing revisions to assignments / deadlines in order to remain aligned with client priorities.	0.5	\$ 435.00	\$ 217.50
Jonathan White	06/07/19	Distribution (Dx) asset probability model status meeting with M. Broida (KPMG) (0.5)	0.5	\$ 475.00	\$ 237.50
Brian Wei	06/07/19	Analyzed file of poles to protection zone sent from K. Visram (PG&E)(1.0).	1.0	\$ 275.00	\$ 275.00
Matt Broida	06/07/19	(.7) Document specific changes for EC tag visualization files, concurrently reviewing mock file / feedback for modifications.	0.7	\$ 435.00	\$ 304.50

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Name	Date	Description	Hours	Rate	Amount
Matt Broida	06/07/19	(.7) Review of Dx Model /discussion of additional data and steps for Friday completion, vegetation regression model with B. Wei, M. Xu (KPMG).	0.7	\$ 435.00	\$ 304.50
Marcus Xu	06/07/19	Discussion regarding the Vegetation management modeling approach with M. Broida (KPMG). (1.0)	1.0	\$ 325.00	\$ 325.00
Marcus Xu	06/07/19	Evaluate the model coefficients, concurrently preparing the visualization on the modeling effect .(1.0)	1.0	\$ 325.00	\$ 325.00
Tia Mason	06/07/19	Meeting with M. Broida, T. Mason, G. Thapan-Raina, Gaurav (KPMG) and M. Frauenheim, K. Loomis (PG&E) for continued instruction on vegetation workflow for PG&E.	1.0	\$ 325.00	\$ 325.00
Marcus Xu	06/07/19	Perform research, concurrently creating the confusion matrix of the model output. (1.0)	1.0	\$ 325.00	\$ 325.00
Brian Wei	06/07/19	Analyze the Tableau output from D. Gaspar (KPMG) to prepare for upcoming client meeting (1.5).	1.5	\$ 275.00	\$ 412.50
Tia Mason	06/07/19	Reconfiguring certain cuts in the Excel workbook for vegetation for PG&E.	1.3	\$ 325.00	\$ 422.50
Matt Broida	06/07/19	(1.0) Vegetation Study regression model discussion of approach and methodology, data inputs and structure with J. White, M. Xu, G. Thapan-Raina (KPMG).	1.0	\$ 435.00	\$ 435.00
Jonathan White	06/07/19	Vegetation status Discussion with M. Broida and G. Thapan-Raina (KPMG). (1.0)	1.0	\$ 475.00	\$ 475.00
Marcus Xu	06/07/19	Review, concurrently modifying the R code to output the distribution across three main components. (1.5)	1.5	\$ 325.00	\$ 487.50
Brian Wei	06/07/19	Reran the grouped data for 15 circuits in two variations for engineering reviews (2.0).	2.0	\$ 275.00	\$ 550.00
Brian Wei	06/07/19	Updated slides on the distributions of the risk scores and components to provide to the client (2.0).	2.0	\$ 275.00	\$ 550.00
Gaurav Thapan-Raina	06/07/19	Continue, from earlier on 6/7, to feature engineer the dataset to prepare the selection of relevant variables for regression analysis; specifically converted categorical variables to numeric formats, conducted principal component analysis, univariate selection and regularization methods to validate the most relevant features for predictive analytics modeling and minimize variance in the dataset	1.6	\$ 400.00	\$ 640.00
Matt Broida	06/07/19	(1.5) Tree Risk Analysis discussion regarding the current status of data review by KPMG as well as determination of next steps with G. Thapan-Raina, T. Mason (KPMG), K. Loomis, M. Frauenheim (PG&E).	1.5	\$ 435.00	\$ 652.50
Tia Mason	06/07/19	Updated slides, as of 6/7, for the Alteryx vegetation workflow for PG&E.	2.4	\$ 325.00	\$ 780.00
Marcus Xu	06/07/19	Continue, as of 06/07/19, to develop GNT regression model in R for the high fire season. (3.0)	3.0	\$ 325.00	\$ 975.00

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Name	Date	Description	Hours	Rate	Amount
Gaurav Thapan-Raina	06/07/19	Feature engineered the dataset to prepare the selection of relevant variables for regression analysis; specifically converted categorical variables to numeric formats, conducted principal component analysis, univariate selection and regularization methods to validate the most relevant features for predictive analytics modeling and minimize variance in the dataset	2.5	\$ 400.00	\$ 1,000.00
Tia Mason	06/07/19	Revised the Alteryx workflow, as of 06/07/19, to reflect changes to vegetation for PG&E.	3.3	\$ 325.00	\$ 1,072.50
Gaurav Thapan-Raina	06/07/19	Began preprocessing of unified outage, GNT, tree population and HFTD datasets as the first step in preparation of the predictive analytics classification modeling phase.	3.0	\$ 400.00	\$ 1,200.00
Jonathan White	06/07/19	Perform managing director review of Overhead Distribution GNT Analysis (2.0) / Mitigation Prioritization Procedure final draft. (1.5)	3.5	\$ 475.00	\$ 1,662.50
Tom Schenk	06/09/19	Reviewed materials from prior week workshop, concurrently noting PG&E requests. (5) Prepare project plan along with summary documents to prepare for the remainder of the project. (1.0)	1.5	\$ 435.00	\$ 652.50
Cy Whitten	06/10/19	Draft email to K. McNamara (KPMG) requesting updated budget tracking workbook to track against engagement progress.	0.1	\$ 325.00	\$ 32.50
Cy Whitten	06/10/19	Draft email to M. Broida (KPMG) the updated budget tracking workbook to track against engagement progress.	0.1	\$ 325.00	\$ 32.50
Cy Whitten	06/10/19	Draft email with visualization dashboard view to B. Wong (PG&E) for his review.	0.1	\$ 325.00	\$ 32.50
Adrian Irwin	06/10/19	Cross-team check-in, as of 06/10/19, with B. Wong (PG&E) and A. Irwin (KPMG).	0.2	\$ 325.00	\$ 65.00
Adrian Irwin	06/10/19	Incorporate additional projects to the mock data for Task 3.	0.2	\$ 325.00	\$ 65.00
Cy Whitten	06/10/19	Prepare project overview deck for meeting between A. Mani (KPMG) and S. Cairns (PG&E).	0.2	\$ 325.00	\$ 65.00
Cy Whitten	06/10/19	Update, from earlier in the day, the project overview deck for meeting between A. Mani (KPMG) and S. Cairns (PG&E).	0.2	\$ 325.00	\$ 65.00
Preston Devaney	06/10/19	Attend PG&E check-in call with C. Gallagher, T. Schenk (KPMG) and B. Wong, V. Loh (PG&E) to discuss project status / updates to the webapp visual outputs as of 06/10/19.	0.3	\$ 275.00	\$ 82.50
Preston Devaney	06/10/19	Review the updated input sheet prior to sending to PG&E.	0.3	\$ 275.00	\$ 82.50
Preston Devaney	06/10/19	Update, as of 06/10/19, the proposed structure document for Object Oriented Programming.	0.3	\$ 275.00	\$ 82.50
Tom Schenk	06/10/19	Cross-team check-in, as of 06/10/19, with B. Wong (PG&E) and T. Schenk (KPMG).	0.2	\$ 435.00	\$ 87.00
Adrian Irwin	06/10/19	Web Application Development Meeting, as of 6/10, with M. Martin, C. Toribio (KPMG) to determine next steps	0.3	\$ 325.00	\$ 97.50
Carlo Toribio	06/10/19	Web Application Development Meeting, as of 6/10, with M. Martin, A. Irwin (KPMG) to determine next steps	0.3	\$ 325.00	\$ 97.50

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Cole Gallagher	06/10/19	Attend PG&E check-in call with P. Devaney, T. Schenk (KPMG) and B. Wong, V. Loh (PG&E) to discuss project status / updates to the webapp visual outputs as of 06/10/19.	0.3	\$ 325.00	\$ 97.50
Cy Whitten	06/10/19	Communication with K. McNamara (KPMG) regarding resource / support needs to meet client timelines / deadlines.	0.3	\$ 325.00	\$ 97.50
Cy Whitten	06/10/19	Discussion with A. Mani (KPMG) regarding potential view for risk visualization dashboard.	0.3	\$ 325.00	\$ 97.50
Cy Whitten	06/10/19	Drafted visualization dashboard view based on PG&E request.	0.3	\$ 325.00	\$ 97.50
Cy Whitten	06/10/19	Reviewed status report to gain insight into activities / risks / issues in delivering on the engagement.	0.3	\$ 325.00	\$ 97.50
Preston Devaney	06/10/19	Attend development planning meeting with C. Gallagher (KPMG) to prioritize Task 3 development efforts, as of 06/10/19, assign tasks.	0.4	\$ 275.00	\$ 110.00
Preston Devaney	06/10/19	Outlined potential structure for Object Oriented Programming approach as it pertains to Task 3.	0.4	\$ 275.00	\$ 110.00
Mark Martin	06/10/19	Web Application Development Meeting, as of 6/10, with C. Toribio, A. Irwin (KPMG) to determine next steps	0.3	\$ 400.00	\$ 120.00
Cole Gallagher	06/10/19	Attend development planning meeting with P. Devaney (KPMG) to prioritize Task 3 development efforts, as of 06/10/19, assign tasks.	0.4	\$ 325.00	\$ 130.00
Adrian Irwin	06/10/19	Incorporate the updated AWS start-up routine.	0.4	\$ 325.00	\$ 130.00
Cy Whitten	06/10/19	Reviewed draft of risk visualization dashboard view provided by S. Reddy (KPMG).	0.4	\$ 325.00	\$ 130.00
Tom Schenk	06/10/19	Attend PG&E check-in call with C. Gallagher, M. Ehrhardt (KPMG) and B. Wong, V. Loh (PG&E) to discuss project status / updates to the webapp visual outputs as of 06/10/19.	0.3	\$ 435.00	\$ 130.50
Dennis Cha	06/10/19	Call with S. Cullings, J. Mathieson (PG&E) and J. Weng (KPMG) to discuss work execution forecast based on system hardening program release forecast.	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/10/19	Meeting regarding ECOP Tag Data Filtering & Segmentation Review with S. Stoddard, M. Broida (KPMG).	0.5	\$ 275.00	\$ 137.50
Preston Devaney	06/10/19	Per client request, attend Task 3 status call with B. Wong (PG&E), M. Ehrhardt, K. McNamara, T. Schenk, C. Gallagher (KPMG) to provide the current overview of task 3 status.	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/10/19	Review EC Optimization program PMO action items with J.C. Mathieson (PG&E).	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/10/19	Review, concurrently updating the output of tag mapped to circuits based on updated mapping of pole to circuit provided by K. Visram and R. Smith (PG&E) on 6/7/19.	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/10/19	Summarized the progress of EC Optimization program in preparation of weekly status update report (.3) and followed-up with workstream owners P. McCabe and J. Birch (PG&E) for updates on respective workstream (.2).	0.5	\$ 275.00	\$ 137.50

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Arun Mani	06/10/19	Discussion with C. Whitten (KPMG) regarding potential view for risk visualization dashboard.	0.3	\$ 500.00	\$ 150.00
Cy Whitten	06/10/19	Attend call with S. Stoddard, T. Schenk, K McNamara, J. Gonzalez, C. Whitten (KPMG) to address request from S. Singh (PG&E) for a program status update and roadmap.	0.5	\$ 325.00	\$ 162.50
Jason Weng	06/10/19	Call with S. Cullings, J. Mathieson (PG&E) and D. Cha (KPMG) to discuss work execution forecast based on system hardening program release forecast.	0.5	\$ 325.00	\$ 162.50
Adrian Irwin	06/10/19	Documenting database installation / population instructions on the project wiki. (.3) Incorporate the updated AWS start-up routine. (.2)	0.5	\$ 325.00	\$ 162.50
Cole Gallagher	06/10/19	Per client request, attend Task 3 status call with B. Wong (PG&E), K. McNamara, T. Schenk (KPMG) to provide the current overview of task 3 status.	0.5	\$ 325.00	\$ 162.50
Gustavo Garcia	06/10/19	Incorporate large data files into the T Drive for L. Cai's (KPMG) access for use in mapping.	0.6	\$ 275.00	\$ 165.00
Dennis Cha	06/10/19	Reviewing, concurrently updating the Alteryx workflow / output for in-scope tags for pole integrity assessment.	0.6	\$ 275.00	\$ 165.00
Kyle McNamara	06/10/19	Communication with C. Whitten (KPMG) regarding Task 3 bowtie development effort as of 6/10 .	0.4	\$ 435.00	\$ 174.00
Kyle McNamara	06/10/19	Prepare AMS weekly status report as of 6/10 for KPMG team input.	0.4	\$ 435.00	\$ 174.00
Kyle McNamara	06/10/19	Update, as of 06/10/19, the program work plan with changes requested by A. Mani (KPMG).	0.4	\$ 435.00	\$ 174.00
Gustavo Garcia	06/10/19	Communication with L. Cai (KPMG) regarding the pole integrity risk scoring and Alteryx translation.	0.7	\$ 275.00	\$ 192.50
Dennis Cha	06/10/19	Discussion regarding progress updates on tag review, output , next steps with J.C. Mathieson, P. McCabe (PG&E), G. Chatha (B&V).	0.7	\$ 275.00	\$ 192.50
Jason Weng	06/10/19	Attended 6/10 EC Tag assignment call led by G. Race (PG&E) and Internal Estimating & Design supervisor team providing support for use of Tableau dashboard and any additional ad hoc reports required.	0.6	\$ 325.00	\$ 195.00
Tom Schenk	06/10/19	Attend call with S. Stoddard, T. Schenk, K McNamara, J. Gonzalez, C. Whitten (KPMG) to address request from S. Singh (PG&E) for a program status update and roadmap.	0.5	\$ 435.00	\$ 217.50
Kyle McNamara	06/10/19	Per client request, attend Task 3 status call with B. Wong (PG&E), T. Schenk, M. Ehrhardt, C. Gallagher, P. Devaney (KPMG) to provide the current overview of task 3 status.	0.5	\$ 435.00	\$ 217.50
Scott Stoddard	06/10/19	Attend call with S. Stoddard, T. Schenk, K McNamara, J. Gonzalez, C. Whitten (KPMG) to address request from S. Singh (PG&E) for a program status update and roadmap.	0.5	\$ 435.00	\$ 217.50
Kyle McNamara	06/10/19	Attend call with S. Stoddard, T. Schenk, K McNamara, J. Gonzalez, C. Whitten (KPMG) to address request from S. Singh (PG&E) for a program status update and roadmap.	0.5	\$ 435.00	\$ 217.50

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Name	Date	Description	Hours	Rate	Amount
Scott Stoddard	06/10/19	Meeting regarding ECOP Tag Data Filtering & Segmentation Review with D. Cha, M. Broida (KPMG).	0.5	\$ 435.00	\$ 217.50
Mark Ehrhardt	06/10/19	Per client request, attend Task 3 status call with B. Wong (PG&E) and K. McNamara, T. Schenk, C. Gallagher (KPMG) to provide the current overview of task 3 status.	0.5	\$ 435.00	\$ 217.50
Tom Schenk	06/10/19	Per client request, attend Task 3 status call with B. Wong (PG&E), K. McNamara, M. Ehrhardt, C. Gallagher (KPMG) to provide the current overview of task 3 status.	0.5	\$ 435.00	\$ 217.50
Juan Gonzalez III	06/10/19	Attend call with S. Stoddard, T. Schenk, K. McNamara, J. Gonzalez, C. Whitten (KPMG) to address request from S. Singh (PG&E) for a program status update and roadmap.	0.5	\$ 500.00	\$ 250.00
Kyle McNamara	06/10/19	Communication with R. Squalli Houssaini (KPMG) regarding performing Task 3 program management beginning next week.	0.6	\$ 435.00	\$ 261.00
Adrian Irwin	06/10/19	Update POST, GET /project SQL to return results even if there are no risks attached to the project, concurrently incorporating a common JS library file as well as refactoring the project processor function / response generator.	0.9	\$ 325.00	\$ 292.50
Dennis Cha	06/10/19	Iteratively updated Alteryx workflow on tag output forecast based on discussion with J.C. Mathieson (PG&E).	1.1	\$ 275.00	\$ 302.50
Kyle McNamara	06/10/19	Update, as of 06/10/19, the project budget with actuals from prior week in incorporate into PG&E status updates.	0.8	\$ 435.00	\$ 348.00
Arun Mani	06/10/19	Call with K. McNamara (KPMG) to review Task 1 status as of 6/10.	0.7	\$ 500.00	\$ 350.00
Cole Gallagher	06/10/19	Prepare input sheet for current iteration of Python code to accept data from 6 Gas submodels in order to facilitate model validity.	1.1	\$ 325.00	\$ 357.50
Cy Whitten	06/10/19	Reviewed project overview deck to support data gathering for risk driver documentation.	1.1	\$ 325.00	\$ 357.50
Adrian Irwin	06/10/19	Update DELETE / project to return the id. Both /project and /projects return the project_status.enum value as the standard now.	1.1	\$ 325.00	\$ 357.50
Jason Weng	06/10/19	Call with S. Lewis (PG&E) to review draft system cycle-time report based on EC Tag data.	1.2	\$ 325.00	\$ 390.00
Cy Whitten	06/10/19	Meeting with B. Wong, S. Sohaib, J. Markland (PG&E) and A. Mani (KPMG) to discuss risk visualization dashboard.	1.3	\$ 325.00	\$ 422.50
Adrian Irwin	06/10/19	Updated POST /project to add risks.	1.3	\$ 325.00	\$ 422.50
Kyle McNamara	06/10/19	Developing plan to augment Task 3 resources to achieve / align with PG&E schedule goals.	1.0	\$ 435.00	\$ 435.00
Gustavo Garcia	06/10/19	Prepare the meeting agenda with documents to review for huddle meeting on Tuesday.	1.6	\$ 275.00	\$ 440.00
Dennis Cha	06/10/19	Update, as of 06/10/19, the Alteryx workflow with Excel spreadsheet on tags by circuit / its associated tracking spreadsheet after review comments from B. Wei and M. Broida (KPMG).	1.7	\$ 275.00	\$ 467.50

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Adrian Irwin	06/10/19	Incorporate risks / runs to the GET, POST /project endpoint.	1.5	\$ 325.00	\$ 487.50
Jason Weng	06/10/19	Finalized draft of presentation for Electric Record Keeping Notification management program.	1.6	\$ 325.00	\$ 520.00
Adrian Irwin	06/10/19	Update the DB schema to associate accounts with LOBs, concurrently incorporating runs to risks as well as designated some runs as primary runs.	1.6	\$ 325.00	\$ 520.00
Gustavo Garcia	06/10/19	Review email documentation, concurrently following-up with action item status about pole integrity with J. Birch and T. Pazdan (PG&E).	1.9	\$ 275.00	\$ 522.50
Dennis Cha	06/10/19	Iteratively reviewed data integrity of EC tags by circuit based on updated mapping of pole to circuit provided by K. Visram and R. Smith (PG&E) on 6/7/19.	2.0	\$ 275.00	\$ 550.00
Kyle McNamara	06/10/19	Perform director review of project update document for S. Cairns (PG&E).	1.4	\$ 435.00	\$ 609.00
Arun Mani	06/10/19	Meeting with B. Wong, S. Sohaib, J. Markland (PG&E) and C. Whitten (KPMG) to discuss risk visualization dashboard.	1.3	\$ 500.00	\$ 650.00
Carlo Toribio	06/10/19	Installing Postgress Database in order to run a local database in my system.	2.0	\$ 325.00	\$ 650.00
Carlo Toribio	06/10/19	Updating, as of 06/10/19, the footer design/ html.	2.3	\$ 325.00	\$ 747.50
Mark Martin	06/10/19	Create local instance of Amazon Web Services to access local database.	2.3	\$ 400.00	\$ 920.00
Daniel Elmlad	06/10/19	2.0 - Reviewed response to TURN 21 Q1 to revise response to enable PG&E to serve the response to TURN; 0.5 - Attend call with A. Mani, J. White, M. Broida, C. Whitten, G. Armstrong, and J. Gonzalez (KPMG) to address request from S. Singh (PG&E) for a program status update and roadmap. 0.5 - Reviewed rebuttal training documents to prepare to develop rebuttal testimony for PG&E	3.0	\$ 325.00	\$ 975.00
Arun Mani	06/10/19	Perform partner review, concurrently providing comments on bow ties developed as of 6/10. .	2.1	\$ 500.00	\$ 1,050.00
Jason Weng	06/10/19	Revised work execution forecast based on feedback from S. Cullings and J. Mathieson (PG&E) to be based on historical performance / remaining work.	3.3	\$ 325.00	\$ 1,072.50
Carlo Toribio	06/10/19	Updating, as of 06/10/19, the footer tabs / navigation functionality.	3.4	\$ 325.00	\$ 1,105.00
Cole Gallagher	06/10/19	Update, as of 06/10/19, the table of contents (1.0), the Consequence Parameters tab to have separate tables for each distribution (.9), incorporate validity checks for escalation method inputs (.9), incorporate validation to ensure valid data for consequence parameters (.9), incorporate sensitivity analysis tab (.6) and send back to PG&E for signoff / additional feedback (.1).	4.4	\$ 325.00	\$ 1,430.00
Mark Martin	06/10/19	Create a local Postgress database to mimic the database that will be used once the web application is deployed to the cloud in order to start testing how our application will access data from a remote database.	3.8	\$ 400.00	\$ 1,520.00

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Arun Mani	06/10/19	Continue, from earlier in the day, to perform partner review, concurrently providing comments on bow ties developed.	3.1	\$ 500.00	\$ 1,550.00
Cy Whitten	06/10/19	0.1 emailed procedure document 1 to Arun Mani for his review	0.1	\$ 325.00	\$ 32.50
Cy Whitten	06/10/19	0.1 scheduled EC tag scoring procedure integration meeting with Dennis Cha and Matt Broida	0.1	\$ 325.00	\$ 32.50
Cy Whitten	06/10/19	0.2 meeting with M. Broida (KPMG) to discuss areas to make updates to procedure document 2	0.2	\$ 325.00	\$ 65.00
Cy Whitten	06/10/19	0.2 uploaded procedure document 1 and client email to the deliverables log on the T drive	0.2	\$ 325.00	\$ 65.00
David Ross	06/10/19	.2 Call with M. Broida (KPMG) to discuss mitigations component of distribution risk model and how it will be presented to PG&E tomorrow.	0.2	\$ 400.00	\$ 80.00
Matt Broida	06/10/19	(.3) Process update from B. Tuffley (B&V) including update on tools.	0.3	\$ 435.00	\$ 130.50
Matt Broida	06/10/19	(.3) Review of current data visualization requirements, concurrently providing 10 Excel files to support kmz file development with J. McMillan-Wilhoit (KPMG).	0.3	\$ 435.00	\$ 130.50
Matt Broida	06/10/19	(.3) Review of preliminary regression output for vegetation management with M. Xu (KPMG).	0.3	\$ 435.00	\$ 130.50
Brian Wei	06/10/19	Discussed with K. Visram (PG&E) about potential updates to data of poles to protection zones (0.5).	0.5	\$ 275.00	\$ 137.50
Brian Wei	06/10/19	Follow-up with K. Visram (PG&E) to discuss new update to list of poles to protection zones through WebEx (0.5).	0.5	\$ 275.00	\$ 137.50
Brian Wei	06/10/19	Participated in meeting with J. Thalman, S. Adderly (PG&E), M. Broida, D. Ross, and M. Xu to discuss updates to the risk reduction model (0.5).	0.5	\$ 275.00	\$ 137.50
David Ross	06/10/19	.4 Call with K. Visram (PG&E) to discuss pole test and treat data set and clarify how it can be used in distribution risk model	0.4	\$ 400.00	\$ 160.00
Juliana McMillan-Wilhoit	06/10/19	(.5) Produced a google earth file for use by PG&E	0.5	\$ 325.00	\$ 162.50
Marcus Xu	06/10/19	Discussion with D. Ross and B. Wei (KPMG) regarding the risk modeling update. (0.5)	0.5	\$ 325.00	\$ 162.50
Marcus Xu	06/10/19	Participated in check-in Meeting with B. Wei, M. Broida (KPMG), J. Thalman (PG&E) to discuss the modeling update. (0.5)	0.5	\$ 325.00	\$ 162.50
Matt Broida	06/10/19	(.5) Revision of Task 1 work plan and budget per PG&E request.	0.4	\$ 435.00	\$ 174.00
David Ross	06/10/19	.5 Meeting with J. White, M. Broida (KPMG) to discuss current budget of task 1, next steps given upcoming requirements	0.5	\$ 400.00	\$ 200.00
David Ross	06/10/19	.5 Follow-up with L. Cai (KPMG) to discuss PG&E work papers and documentation requirements	0.5	\$ 400.00	\$ 200.00
Matt Broida	06/10/19	(.4) Director review of 10 .kmz circuit files, (.1) and provided to P. McCabe (PG&E).	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/10/19	(.5) Review of current tag data and composition of EC Tag Review update for J.C. Matheson and P. McCabe (PG&E).	0.5	\$ 435.00	\$ 217.50

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Matt Broida	06/10/19	(.5) Respond to questions regarding Pole to Protection Zone Data with B. Wei, D. Ross (KPMG), and K. Visram (PG&E).	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/10/19	(.5) Review of EC tag status and implications for data visualization with P. McCabe (PG&E).	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/10/19	(.5) Review of EC tag status, as of 06/10/19, with J.C. Matheson (PG&E).	0.5	\$ 435.00	\$ 217.50
Jonathan White	06/10/19	Attend call with A. Mani, M. Broida, K. Caron, D. Elmlblad, G. Armstrong, (KPMG) to address request from S. Singh (PG&E) for a program status update and roadmap. (0.5)	0.5	\$ 475.00	\$ 237.50
Jonathan White	06/10/19	DX risk model review with D. Ross, M. Xu, B. Wei, M. Broida (KPMG). (0.5)	0.5	\$ 475.00	\$ 237.50
David Ross	06/10/19	.6 Discussion with M. Broida (KPMG) regarding PG&E feedback on distribution risk model risk score and vegetation modifier	0.6	\$ 400.00	\$ 240.00
David Ross	06/10/19	.6 Meeting with M. Broida, J. White, M. Xu, B. Wei (KPMG) to discuss progress on distribution risk model and goals to accomplish this week.	0.6	\$ 400.00	\$ 240.00
Brian Wei	06/10/19	Generated grouped data for new batch of circuits for engineering reviews (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/10/19	Updated risk reduction model documentation to include standardization of risk scores (1.0).	1.0	\$ 275.00	\$ 275.00
Matt Broida	06/10/19	(.7) Dx Risk Model status meeting to plan /align for upcoming week with D. Ross, B. Wei, and M. Xu (KPMG).	0.7	\$ 435.00	\$ 304.50
Matt Broida	06/10/19	(.7) ECOP Tag Data Filtering & Segmentation Review of our approach to the latest filtering and mapping of tags to circuit with D. Cha, B. Wei, and S. Stoddard (KPMG).	0.7	\$ 435.00	\$ 304.50
David Ross	06/10/19	.8 Manager review of distribution risk model outputs / updates to mitigations/ meteorology modifiers	0.8	\$ 400.00	\$ 320.00
Juliana McMillan-Wilhoit	06/10/19	(1.0) Review, concurrently compiling individual Excel sheets of each circuit sent by M. Broida (KPMG).	1.0	\$ 325.00	\$ 325.00
Tia Mason	06/10/19	Meeting with G. Thapan-Raina and M. Broida (KPMG) regarding vegetation model changes for PG&E.	1.0	\$ 325.00	\$ 325.00
Gaurav Thapan-Raina	06/10/19	Meeting with M. Broida (KPMG) to discuss priority items for region-based analyses, regression modeling and overall presentation of findings scheduled for PG&E stakeholders on June 12, 2019.	1.0	\$ 400.00	\$ 400.00
Brian Wei	06/10/19	Participated in meeting with D. Cha (KPMG) to discuss which circuit variable to filter in the grouped data workflow (0.5).Updated EC tag mapping for grouped data by using latest EC tag data (1.0).	1.5	\$ 275.00	\$ 412.50
Brian Wei	06/10/19	Reran EC tag risk scoring workflow to incorporate latest EC tag data (1.5).	1.5	\$ 275.00	\$ 412.50
Brian Wei	06/10/19	Set up Alteryx workflow to include mitigations and meteorology into risk reduction model (1.5).	1.5	\$ 275.00	\$ 412.50

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Matt Broida	06/10/19	(1.0) Vegetation Management Discussion and next steps to review current analysis and alignment for key messages with T. Mason, G. Thapan-Raina (KPMG).	1.0	\$ 435.00	\$ 435.00
Lucy Cai	06/10/19	(1.6) Ran workflow, as of 6/10, that assigns certain assets a tag indicating that the number of notifications does not correlate with asset score per pending notification file for transmission structures.	1.6	\$ 275.00	\$ 440.00
Juliana McMillan-Wilhoit	06/10/19	(1.5) Performed quality control review on google earth output file prior to forwarding to PG&E.	1.5	\$ 325.00	\$ 487.50
Marcus Xu	06/10/19	Perform testing of the Tableau visualization, concurrently de-bugging. (1.5)	1.5	\$ 325.00	\$ 487.50
Gaurav Thapan-Raina	06/10/19	Reviewed first draft of the logistic regression report with M. Xu (KPMG) to elicit any relevant features that could impact the probability of an GNT taking place; discussed revisions to the modeling parameters (which features to include/exclude and determine where additional feature engineering was required)	1.3	\$ 400.00	\$ 520.00
Matt Broida	06/10/19	(1.5) Risk Model status meeting to review current model structure and inputs as well as prepare for Tuesday group presentation with D. Ross, B. Wei, M. Xu (KPMG), J. E. Thalman (PG&E).	1.5	\$ 435.00	\$ 652.50
David Ross	06/10/19	Update task 1 for work papers / documentation to reflect client deliverables	1.7	\$ 400.00	\$ 680.00
Lucy Cai	06/10/19	(2.5) Compared GIS mappings in new distribution population file to mappings provided through shapefiles to determine the variances by equipment ID.	2.5	\$ 275.00	\$ 687.50
Cy Whitten	06/10/19	2.2updated procedure document 2 for review with Matt Broida	2.2	\$ 325.00	\$ 715.00
Tia Mason	06/10/19	Began cutting some of the data at a region level view in Alteryx for vegetation for PG&E.	2.3	\$ 325.00	\$ 747.50
Tia Mason	06/10/19	Completed cutting the data at a district level view in Alteryx for vegetation for PG&E.	2.3	\$ 325.00	\$ 747.50
David Ross	06/10/19	Meeting with J. Thalman, K. Visram, S. Adderly (PG&E), M. Broida, B. Wei, M. Xu (KPMG) to discuss distribution risk model progress and dry-run for tomorrow's meeting with broad PG&E enterprise risk team.	1.9	\$ 400.00	\$ 760.00
Tia Mason	06/10/19	Populating, concurrently updating slides from the Alteryx vegetation workflow for PG&E 2.4	2.4	\$ 325.00	\$ 780.00
Gaurav Thapan-Raina	06/10/19	(1.0) Reviewed data cuts generated from the Alteryx platform by (KPMG); (1.0) started to put together the first part of the findings assessed on causes of tree species failures by region; the process involved eliciting key messages from each of the data outputs, preparing a draft summary of preliminary findings and potential additional areas for investigation	2.0	\$ 400.00	\$ 800.00
Marcus Xu	06/10/19	Develop the Vegetation management regression, concurrently packaging model results. (2.5)	2.5	\$ 325.00	\$ 812.50

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Name	Date	Description	Hours	Rate	Amount
Lucy Cai	06/10/19	(3.1) Mapped HFTD poles with population used in protection zone workstream by mapping them to shapefiles in Alteryx.	3.1	\$ 275.00	\$ 852.50
Marcus Xu	06/10/19	Develop the visualization in Tableau for the first round of presentation. (3.0)	3.0	\$ 325.00	\$ 975.00
Gaurav Thapan-Raina	06/10/19	Conducting classification modeling of datasets by developing multiple algorithms on the Python platform (Logistic Regression, Support Vector Machines, Random Forest, Decision Trees, Gradient Boosting, Multilayer Perceptron, Ada Boost Classifier, Ridge and Lasso Regression); the development of the algorithms was preceded by feature engineering and dimensionality reduction models to identify the most relevant features to incorporate into the classification algorithms	3.9	\$ 400.00	\$ 1,560.00
David Ross	06/10/19	Develop presentation material for distribution risk model for upcoming meeting with PG&E enterprise risk and analytics team	3.9	\$ 400.00	\$ 1,560.00
Cy Whitten	06/11/19	Draft email / respond to email with A. Mani (KPMG) regarding risk dashboard mockup.	0.1	\$ 325.00	\$ 32.50
Cy Whitten	06/11/19	Update, as of 06/11/19, the deliverable review meetings to monitor engagement deliverable delivery for Main Task.	0.2	\$ 325.00	\$ 65.00
Preston Devaney	06/11/19	Communication with C. Gallagher and A. Irwin (KPMG) regarding the user interface / changes to the model outputs.	0.3	\$ 275.00	\$ 82.50
Cy Whitten	06/11/19	Review / respond to emails with D. Elmlad (KPMG) regarding risk dashboard mockup.	0.3	\$ 325.00	\$ 97.50
Preston Devaney	06/11/19	Attend PG&E check-in call with C. Whitten, C. Gallagher, M. Ehrhardt, A. Irwin (KPMG), B. Wong, Y. Oum (PG&E) to discuss project status and open items as of 06/11/19.	0.4	\$ 275.00	\$ 110.00
Dennis Cha	06/11/19	Prepared for biweekly huddle call by discussing PMO updates with J.C. Mathieson (PG&E) and summarizing previous huddle call.	0.4	\$ 275.00	\$ 110.00
Dennis Cha	06/11/19	Updated biweekly core team huddle meeting minutes and action item tracker based on comments from S. Stoddard (KPMG) (.3) and distributed to the core KPMG team (.1).	0.4	\$ 275.00	\$ 110.00
Phillip Prombo	06/11/19	Prepared summary regarding RAMP dashboard mock-ups for A. Smith (KPMG) in preparation for tasks.	0.3	\$ 400.00	\$ 120.00
Cole Gallagher	06/11/19	Attend PG&E check-in call with C. Whitten, P. Devaney, M. Ehrhardt, A. Irwin (KPMG), B. Wong, Y. Oum (PG&E) to discuss project status and open items as of 06/11/19.	0.4	\$ 325.00	\$ 130.00
Adrian Irwin	06/11/19	Attend PG&E check-in call with C. Whitten, P. Devaney, M. Ehrhardt, C. Gallagher (KPMG), B. Wong, Y. Oum (PG&E) to discuss project status and open items as of 06/11/19.	0.4	\$ 325.00	\$ 130.00
Preston Devaney	06/11/19	Per client request, attend Task 3 (6/11) status call with B. Wong (PG&E), C. Whitten, M. Ehrhardt, C. Gallagher (KPMG) to provide the current overview of task 3 status.	0.5	\$ 275.00	\$ 137.50

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Name	Date	Description	Hours	Rate	Amount
Dennis Cha	06/11/19	Discussion regarding the scope of EC Optimization process with J.C. Mathieson, M. Esguerra (PG&E) based on comments from tag execution forecast.	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/11/19	Discussion regarding throughput and cycle time estimates of tag review by Black & Veatch with G. Chatha and B. Tuffley (both B&V).	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/11/19	Meeting regarding ECOP Tag Volume By Circuit Review to update the list of ECOP tag volume by circuit with S. Stoddard (KPMG), M. Esguerra, J.C. Mathieson (PG&E). (partial attendance)	0.5	\$ 275.00	\$ 137.50
Gustavo Garcia	06/11/19	Meeting regarding Pole Integrity Assessment Huddle with S. Stoddard (KPMG), J. Birch, J.C. Mathieson, L. Burson-Thomas, T. Pazdan, B. Nugent (PG&E).	0.5	\$ 275.00	\$ 137.50
Cole Gallagher	06/11/19	Per client request, attend Task 3 (6/11) status call with B. Wong (PG&E), C. Whitten, M. Ehrhardt, C. Gallagher (KPMG) to provide the current overview of task 3 status.	0.5	\$ 325.00	\$ 162.50
Cy Whitten	06/11/19	Per client request, attend Task 3 (6/11) status call with B. Wong (PG&E), C. Whitten, M. Ehrhardt, C. Gallagher (KPMG) to provide the current overview of task 3 status.	0.5	\$ 325.00	\$ 162.50
Cy Whitten	06/11/19	Communication via email with D. Elmlad (KPMG) regarding risk dashboard mockup.	0.5	\$ 325.00	\$ 162.50
Dennis Cha	06/11/19	Discussion regarding current visibility, coordination, potential impact of tags in estimating, permitting, construction to EC Optimization process with J.C. Mathieson (PG&E).	0.6	\$ 275.00	\$ 165.00
Kyle McNamara	06/11/19	Per client request, attend Task 3 status call with B. Wong (PG&E), P. Devaney, C. Whitten, M. Ehrhardt, C. Gallagher (KPMG) to provide the current overview of task 3 status. (partial attendance)	0.4	\$ 435.00	\$ 174.00
Gustavo Garcia	06/11/19	Document the data clean-up procedures for Task 2 for replication in the future	0.7	\$ 275.00	\$ 192.50
Cole Gallagher	06/11/19	Plan integration for model demo / changes necessary for the code to be integrated into the current state of the webapp.	0.6	\$ 325.00	\$ 195.00
Cole Gallagher	06/11/19	Review Object-oriented programming (OOP) code structure proposal provided by P. Devaney (KPMG) to assess validity / viability.	0.6	\$ 325.00	\$ 195.00
Rita Squalli Houssaini	06/11/19	Call with A. Mani, T. Schenk, K. McNamara (KPMG) to review action items resulting from the June 7 Task 3 workshop.	0.5	\$ 400.00	\$ 200.00
Phillip Prombo	06/11/19	Communication via email with A. Irwin and C. Gallagher (KPMG) regarding the RAMP dashboard mockups and how they will work with the Tableau capabilities.	0.5	\$ 400.00	\$ 200.00
Tom Schenk	06/11/19	Call with A. Mani, K. McNamara, R. Squalli Houssaini (KPMG) to review action items resulting from the June 7 Task 3 workshop.	0.5	\$ 435.00	\$ 217.50

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Mark Ehrhardt	06/11/19	Per client request, attend Task 3 (6/11) status call with B. Wong (PG&E), C. Whitten, M. Ehrhardt, C. Gallagher (KPMG) to provide the current overview of task 3 status.	0.5	\$ 435.00	\$ 217.50
Kyle McNamara	06/11/19	Call with A. Mani, T. Schenk, R. Squalli Houssaini (KPMG) to review action items resulting from the June 7 Task 3 workshop.	0.5	\$ 435.00	\$ 217.50
Scott Stoddard	06/11/19	Meeting regarding Pole Integrity Assessment Huddle with G. Garcia (KPMG), J. Birch, J.C. Mathieson, L. Burson-Thomas, T. Pazdan, B. Nugent (PG&E).	0.5	\$ 435.00	\$ 217.50
Dennis Cha	06/11/19	Attended EC Tag Optimization Bi-Weekly huddle call with J.C. Mathieson, P. McCabe, M. Esguerra, J. Birch, E. Scaief, B. Koelling (PG&E), M. Broida, S. Stoddard (KPMG), G. Chatha, B. Tuffley (B&V).	0.8	\$ 275.00	\$ 220.00
Adrian Irwin	06/11/19	Discussion with P. Prombo (KPMG) regarding review / explanation on the web dashboard and how it relates to the Tableau Dashboards.	0.7	\$ 325.00	\$ 227.50
Dennis Cha	06/11/19	Summarized biweekly core team huddle meeting minutes, updated them based on comments from S. Stoddard (KPMG) (.8), and distributed to the EC Optimization program core KPMG team (.1)	0.9	\$ 275.00	\$ 247.50
Preston Devaney	06/11/19	Update the OOP outline, concurrently structuring the process for running the code once converted to OOP.	0.9	\$ 275.00	\$ 247.50
Preston Devaney	06/11/19	Call with C. Gallagher, M. Ehrhardt, D. Gallo, (KPMG) to discuss / review the model outputs and the Tableau dashboard visualizations.	1.0	\$ 275.00	\$ 275.00
Dennis Cha	06/11/19	Review the current EC tag risk scoring procedure documentation discussing next steps to finalize the document with M. Broida, C. Whitten (KPMG)	1.0	\$ 275.00	\$ 275.00
Phillip Prombo	06/11/19	Discussion with A. Irwin (KPMG) regarding review / explanation on the web dashboard and how it relates to the Tableau Dashboards.	0.7	\$ 400.00	\$ 280.00
Adrian Irwin	06/11/19	Web Application Style Meeting with C. Toribio, M. Martin (KPMG) to discuss issues encountered in our web application styling approach and determine common methods of web application styling.	1.0	\$ 325.00	\$ 325.00
Carlo Toribio	06/11/19	Web Application Style Meeting with M. Martin, A. Irwin (KPMG) to discuss issues encountered in our web application styling approach and determine common methods of web application styling.	1.0	\$ 325.00	\$ 325.00
Cy Whitten	06/11/19	Attended meeting with D. Pant, R. Bartley, P. Mackey (PG&E) to validate bowtie drivers for substation.	1.0	\$ 325.00	\$ 325.00
Cy Whitten	06/11/19	Call with B. Wong, D. Pant, Y. Oum (PG&E), K. McNamara, A. Mani (KPMG) to discuss Task 3 action items and work plan.	1.0	\$ 325.00	\$ 325.00
Cole Gallagher	06/11/19	Call with M. Ehrhardt, D. Gallo, P. Devaney (KPMG) to discuss / review the model outputs and the Tableau dashboard visualizations.	1.0	\$ 325.00	\$ 325.00

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Name	Date	Description	Hours	Rate	Amount
Dom Gallo	06/11/19	Call with P. Devaney, C. Gallagher, M. Ehrhardt, (KPMG) to discuss / review the model outputs and the Tableau dashboard visualizations.	1.0	\$ 325.00	\$ 325.00
Dom Gallo	06/11/19	Creating a template of the RAMP dashboard.	1.0	\$ 325.00	\$ 325.00
Dom Gallo	06/11/19	Sample data scoping as well as discussing where to start in terms of building out the RAMP dashboard with P. Prombo (KPMG).	1.0	\$ 325.00	\$ 325.00
Scott Stoddard	06/11/19	Attended EC Tag Optimization Bi-Weekly huddle call with J.C. Mathieson, P. McCabe, M. Esguerra, J. Birch, E. Scaief, B. Koelling (PG&E), M. Broida, D. Cha (KPMG), G. Chatha, B. Tuffley (B&V).	0.8	\$ 435.00	\$ 348.00
Gustavo Garcia	06/11/19	Data clean-up to speed up excel processing on the pole integrity model.	1.3	\$ 275.00	\$ 357.50
Adrian Irwin	06/11/19	Incorporate GET /lobs endpoint to retrieve a list of non-archived LOBs (Lines of Businesses).	1.2	\$ 325.00	\$ 390.00
Mark Martin	06/11/19	Web Application Style Meeting with C. Toribio, A. Irwin (KPMG) to discuss issues encountered in our web application styling approach and determine common methods of web application styling.	1.0	\$ 400.00	\$ 400.00
Aldryn Estacio	06/11/19	Design changes to WebApp cross cutters table formatting.	1.0	\$ 400.00	\$ 400.00
Aldryn Estacio	06/11/19	Meeting with B. Wong (PG&E) to review design updates and answer questions about Tableau graphs.	1.0	\$ 400.00	\$ 400.00
Aldryn Estacio	06/11/19	Perform research regarding new imagery on the brand site focusing on PG&E specifics.	1.0	\$ 400.00	\$ 400.00
Phillip Prombo	06/11/19	Perform research regarding potential Tableau dashboard types, concurrently noting which ones will be feasible for us to use in this Tableau Dashboard RAMP engagement.	1.0	\$ 400.00	\$ 400.00
Phillip Prombo	06/11/19	Sample data scoping as well as discussing where to start in terms of building out the RAMP dashboard with D. Gallo (KPMG).	1.0	\$ 400.00	\$ 400.00
Adrian Irwin	06/11/19	Incorporate GET /risks endpoint to retrieve a list of non-archived risks.	1.3	\$ 325.00	\$ 422.50
Adrian Irwin	06/11/19	Incorporate POST /risk endpoint to create a new risk as well as associate with a LOB.	1.3	\$ 325.00	\$ 422.50
Jason Weng	06/11/19	Meeting with J. Mathieson (PG&E) to review draft of presentation for Electric Record Keeping Notification management program.	1.3	\$ 325.00	\$ 422.50
Kyle McNamara	06/11/19	Call with B. Wong, D. Pant, Y. Oum (PG&E), A. Mani, C. Whitten (KPMG) to discuss Task 3 action items and work plan.	1.0	\$ 435.00	\$ 435.00
Mark Ehrhardt	06/11/19	Call with C. Gallagher, P. Devaney, D. Gallo, (KPMG) to discuss / review the model outputs and the Tableau dashboard visualizations.	1.0	\$ 435.00	\$ 435.00
Gustavo Garcia	06/11/19	Attend Inspector training called led by L. LoGrande (PG&E) to prepare leads on upcoming POL inspections.	1.6	\$ 275.00	\$ 440.00

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Name	Date	Description	Hours	Rate	Amount
Dennis Cha	06/11/19	Continue, from earlier in the, updating the mapping / volume of EC tags by circuit based on scope discussions and in preparation for continued discussions with J.C. Mathieson and M. Esguerra (PG&E).	1.6	\$ 275.00	\$ 440.00
Mark Martin	06/11/19	Update the styling of the project data grid view including the positioning of elements / the creation / application of predetermined colors / fonts.	1.1	\$ 400.00	\$ 440.00
Dennis Cha	06/11/19	Continue, as of 06/11/19, updating the mapping / volume of EC tags by circuit based on scope discussions and in preparation for continued discussions with J.C. Mathieson and M. Esguerra (PG&E).	1.7	\$ 275.00	\$ 467.50
Arun Mani	06/11/19	Call with B. Wong, D. Pant, Y. Oum (PG&E), K. McNamara, C. Whitten (KPMG) to discuss Task 3 action items and work plan.	1.0	\$ 500.00	\$ 500.00
Cole Gallagher	06/11/19	Prepare temporary input sheets for mitigation data from 6 Gas submodels in order to validate the Python model against the @risk model outputs.	1.6	\$ 325.00	\$ 520.00
Dennis Cha	06/11/19	Continue, from earlier in the day, discussion regarding the scope of EC Optimization process with J.C. Mathieson, M. Esguerra (PG&E) in the context of preparation for CPUC discussion on 6/20/19.	2.1	\$ 275.00	\$ 577.50
Adrian Irwin	06/11/19	Incorporate PUT /run/{id} endpoint that allows setting of primary_run_id. (1.5) Incorporate run_statuses in the DB. (.3)	1.8	\$ 325.00	\$ 585.00
Jason Weng	06/11/19	Review Pronto informational questions along with dataset for extraction into PG&E systems.	1.8	\$ 325.00	\$ 585.00
Mark Martin	06/11/19	Perform debugging of the local based installation of Amazon Web Services to insure that all requests for different datatypes were returning the correct data.	1.5	\$ 400.00	\$ 600.00
Carlo Toribio	06/11/19	Continue, as of 6/11/19, to install the Progress Database (application to manage databases), concurrently researching / analyzing possible issues / solutions to get the system back on-line.	2.0	\$ 325.00	\$ 650.00
Jason Weng	06/11/19	Revised Electric Record Keeping Notification management program workshop deck as directed by J. Mathieson (PG&E).	2.0	\$ 325.00	\$ 650.00
Daniel Elmlad	06/11/19	0.7 -Call with C. Middlekauf, K. Wade (PG&E), C. Lorie (PwC), M. Gallo (Outside counsel) to develop strategy for rebuttal testimony starting at the end of this month 1.3 - Reviewed rebuttal training documents to prepare to develop rebuttal testimony for PG&E	2.0	\$ 325.00	\$ 650.00
Scott Stoddard	06/11/19	Meeting regarding ECOP Tag Volume By Circuit Review to update the list of ECOP tag volume by circuit with D. Cha (KPMG), M. Esguerra, J.C. Mathieson (PG&E).	1.5	\$ 435.00	\$ 652.50
Cole Gallagher	06/11/19	Update mitigation functions in Python code in order to consume separate mitigation effectiveness values for different tranches.	2.4	\$ 325.00	\$ 780.00

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Name	Date	Description	Hours	Rate	Amount
Aldryn Estacio	06/11/19	Perform Level 3 LOB view scatterplot design changes to the dots / legend.	2.1	\$ 400.00	\$ 840.00
Gustavo Garcia	06/11/19	Update, as of 06/11/19, the POL tracker for every pole to include additional descriptions as well as access comments for inspectors.	3.1	\$ 275.00	\$ 852.50
Gustavo Garcia	06/11/19	Excel data processing or data for risk scoring implementation to the top 9 CPZ (2.6), and running the risk scoring test (.8).	3.4	\$ 275.00	\$ 935.00
Jason Weng	06/11/19	Email communications with both Tom Schenk and Adrian Irwin on next steps with when we will be receiving the data for our dashboards and what the expectations are	2.9	\$ 325.00	\$ 942.50
Cy Whitten	06/11/19	Create risk dashboard mockup based on feedback from meetings with B. Wong (PG&E), A. Mani, and D. Elmlad (KPMG).	3.8	\$ 325.00	\$ 1,235.00
Mark Martin	06/11/19	Update, as of 06/11/19, the detailed layout of the project data grid view which is a discreet page in the application that shows a chart / a table for a selected project.	3.2	\$ 400.00	\$ 1,280.00
Carlo Toribio	06/11/19	Continue, as of 06/11/19, to update the footer skeleton (2.7) and initial layout (2.0).	4.7	\$ 325.00	\$ 1,527.50
Arun Mani	06/11/19	Partner review of the Ux dashboard, providing comments / updates for the KPMG team as to the appearance.	3.2	\$ 500.00	\$ 1,600.00
Cy Whitten	06/11/19	0.1emailed updated EC tag scoring procedure to Matt Broida and Dennis Cha	0.1	\$ 325.00	\$ 32.50
Brian Wei	06/11/19	Uploaded EC tag data for Y. Oum (PG&E) to validate (0.4).	0.4	\$ 275.00	\$ 110.00
Brian Wei	06/11/19	Uploaded outage data for Y. Oum (PG&E) to validate (0.4).	0.4	\$ 275.00	\$ 110.00
Matt Broida	06/11/19	(.3)Discussion / outreach to support additional Tableau visualization for Distribution (Dx) modeling with D. Ross (KPMG).	0.3	\$ 435.00	\$ 130.50
Brian Wei	06/11/19	Participated in meeting with Y. Oum, V. Loh, J. Thalman (PG&E), M. Xu, M. Broida, and D. Ross (KPMG) to discuss probability of failure calculation for risk reduction model (0.5).	0.5	\$ 275.00	\$ 137.50
David Ross	06/11/19	.4 Meeting with M. Broida, J. White (KPMG) to debrief on presentation to PG&E and determine how to utilize feedback in updating distribution risk model.	0.4	\$ 400.00	\$ 160.00
Cy Whitten	06/11/19	0.5updated EC tag scoring procedure based on meeting with M. Broida (KPMG)and Dennis Cha to discuss incorporation of EC tag scoring procedure into engineering optimization procedure	0.5	\$ 325.00	\$ 162.50
Marcus Xu	06/11/19	Discussion with D. Ross, B. Wei (KPMG) regarding the visualization. (0.5)	0.5	\$ 325.00	\$ 162.50
Marcus Xu	06/11/19	Discussion with M. Broida, G. Thapan-Raina (KPMG) regarding the Vegetation model output. (0.5)	0.5	\$ 325.00	\$ 162.50
David Ross	06/11/19	.5 Meeting with M. Broida (KPMG) to review Tableau data visualization of risk model prior to presentation to PG&E	0.5	\$ 400.00	\$ 200.00

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Name	Date	Description	Hours	Rate	Amount
Gaurav Thapan-Raina	06/11/19	Meeting with M. Broida (KPMG) to discuss presentation, identify additional improvements and materials to include as well as approach to delivering the presentation	0.5	\$ 400.00	\$ 200.00
Gaurav Thapan-Raina	06/11/19	Meeting with M. Broida (KPMG) to review preliminary findings presented to C. Moreland (PG&E) during the week of June 3.	0.5	\$ 400.00	\$ 200.00
Gaurav Thapan-Raina	06/11/19	Meeting with M. Broida, M. Xu (KPMG) to discuss preliminary logistic regression model outputs, interpretation of the regression results and possible improvements to the model to enhance its predictive capability	0.5	\$ 400.00	\$ 200.00
Matt Broida	06/11/19	(.5) Planning session / updates, as of 06/11/19, for vegetation management with J. White and D. Ross (KPMG).	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/11/19	(.5) Prepare for Wednesday PG&E SME presentation for vegetation management with G. Thapan-Raina (KPMG) by reviewing designated parts of the presentation.	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/11/19	(.5) Regression Discussion for vegetation management analysis with M. Xu, G. Thapan-Raina (KPMG).	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/11/19	(.5) Review of Dx data validation of input integrity along with new PG&E provided data sources.	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/11/19	(.5) Review of PG&E VM Study Preliminary Findings with G. Thapan-Raina, A. Mani (KPMG).	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/11/19	(.5) Review, concurrently providing feedback on Michael Lewis PPT_draft (002).pptx for PG&E presentation 6/11/2019.	0.5	\$ 435.00	\$ 217.50
Brian Wei	06/11/19	Performed uploading of asset data, as of 6/11, for validation from client side (0.8).	0.8	\$ 275.00	\$ 220.00
David Ross	06/11/19	.6 Call with J. Thalman, Y. Oum, V. Loh (PG&E), M. Broida (KPMG) to discuss PG&E questions in mathematical formulas underlying distribution risk model	0.6	\$ 400.00	\$ 240.00
Gaurav Thapan-Raina	06/11/19	Conducted regression analysis on the R platform to gain deeper insights on individual model parameters, creating probability plots on coefficients of the independent features and cross-check results with those from other algorithms developed on the Python platform	0.6	\$ 400.00	\$ 240.00
Brian Wei	06/11/19	Analyzed Tableau visualization to represent the risk reduction model (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/11/19	Documented probability of failure calculation for the risk reduction model (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/11/19	For grouped data sent for engineering reviews, created a summary table to document the number of EC tags by circuit (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/11/19	Updated asset level data with risk score for S. Adderly (PG&E) to review (1.0).	1.0	\$ 275.00	\$ 275.00
Matt Broida	06/11/19	(.7) OH Dx meeting review and alignment on next steps with K. Visram, J. E. Thalman, S. Adderly (PG&E).	0.7	\$ 435.00	\$ 304.50

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Name	Date	Description	Hours	Rate	Amount
Matt Broida	06/11/19	(.7) EC tag Optimization Bi-weekly Huddle with focus on data conflicts in EC tag data with P. McCabe, J. Birch, JC Mathieson (PG&E), D. Cha (KPMG), B. Tuffley (B&V).	0.7	\$ 435.00	\$ 304.50
Daniel Elmlad	06/11/19	Met with C. Whitten (KPMG) to prepare an analysis dashboard slide to enable PG&E to communicate key results to senior leaders	1.0	\$ 325.00	\$ 325.00
Marcus Xu	06/11/19	Participated in client check-in meeting with B. Wei, M. Broida (KPMG), J. Thalman (PG&E) to discuss the next step of Dx model development. (1.0)	1.0	\$ 325.00	\$ 325.00
Marcus Xu	06/11/19	Participated in client check-in meeting with B. Wei, M. Broida (KPMG), J. Thalman (PG&E), and other PG&E large groups to present the initial round of modeling update. (1.0)	1.0	\$ 325.00	\$ 325.00
Marcus Xu	06/11/19	Participated in meeting with B. Wei, M. Broida, D. Ross (KPMG), J. Thalman (PG&E) to discuss the modeling documentation and probability calculation with PG&E's Quantitative team. (1.0)	1.0	\$ 325.00	\$ 325.00
Brian Wei	06/11/19	Generated circuits for engineering reviews by filtering for updated circuit names from newest list of poles to protection zones (1.2).	1.2	\$ 275.00	\$ 330.00
Matt Broida	06/11/19	(.8) Follow-up on Dx model to address Dx model questions for PG&E risk quant team with J. White (KPMG), J. E. Thalman, V. Loh, Y. Oum (all PG&E).(partial attendance)	0.8	\$ 435.00	\$ 348.00
Matt Broida	06/11/19	(1.0) EC tag scoring procedure documentation review / transition to Task 2 documentation with D. Cha and C. Whitten (KPMG).	1.0	\$ 435.00	\$ 435.00
Jonathan White	06/11/19	Distribution data validation review for L. Cai (KPMG). (1.0)	1.0	\$ 475.00	\$ 475.00
Jonathan White	06/11/19	Review of Dx Risk Model with J. Thalman, E. Eisa, C. Meldgin, A. Hong, J. Chen, J. Liu, R. Griffith, E. Wu, H. Li, Y. Oum, R. Trinh, J. Thomas, P. Baker, M. Esguerra, C. Taylor, K. Kirkpatrick, K. Visram, JP. Dolphin, R. Movafagh, M. Locatelli, SN. Tan, V. Loh, M. Jones, B. Wong, JB. Birch, H. Mejjaty, Y. Chong, D. Pant, K. O'Conner, M. Viduya, AJ. Morales, E. Mejjorada, D. Knowles, J. Ochsenreiter, M. Puckett. X. Li, D. Feusse, D. Thayer (PG&E), M. Broida (KPMG). (1.0)	1.0	\$ 475.00	\$ 475.00
David Ross	06/11/19	Manager review of Tableau data visualization of distribution risk model for delivery to PG&E.	1.2	\$ 400.00	\$ 480.00
Cy Whitten	06/11/19	meeting with M. Broida (KPMG)and Dennis Cha to discuss incorporation of EC tag scoring procedure into engineering optimization procedure	1.6	\$ 325.00	\$ 520.00
Brian Wei	06/11/19	Participated in meeting with S. Adderly, J. Thalman, E. Eisa, C. Meldgin, A. Hong, J. Chen, J. Liu, R. Griffith, E. Wu, H. Li, T. Strauss, Y. Oum, R. Trinh, J. Thomas, P. Baker, M. Esguerra, C. Taylor, K. Kirkpatrick, K. Visram, S. Tan, B. Wong, V. Loh, H. Mejjaty (PG&E), J. White, M. Broida, D. Ross, and M. Xu (KPMG) to discuss progress and receive feedback for the risk reduction model (2.0).	2.0	\$ 275.00	\$ 550.00

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Case No. 19-30088

Asset Management Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Rate	Amount
Marcus Xu	06/11/19	Prepare the summary of the probability calculation with the EC-Tag Priority adjustment. (2.0)	2.0	\$ 325.00	\$ 650.00
Marcus Xu	06/11/19	Re-ran the vegetation model with less variables, concurrently incorporating stepwise variable process. (2.0)	2.0	\$ 325.00	\$ 650.00
Matt Broida	06/11/19	(1.5) Review of Dx Risk Model with PG&E stakeholders for feedback with J. E. Thalman, V. Loh, Y. Oum, J. Birch, M. Locatelli, K. Visram (PG&E) (plus 10 other invitees from PG&E).	1.5	\$ 435.00	\$ 652.50
Tia Mason	06/11/19	Created new slides depicting the updated Alteryx vegetation workflow for PG&E.	2.1	\$ 325.00	\$ 682.50
Lucy Cai	06/11/19	(2.6) Created reconciliation spreadsheet summarizing above analysis, concurrently noting the number of poles in each population as well as the number of poles mapped to HFTD.	2.6	\$ 275.00	\$ 715.00
Lucy Cai	06/11/19	(2.8) Compare Phase I distribution pole population to new distribution pole population provided by client contact to compare overlap in SAP equipment IDs / long/lats / HFTD mappings, concurrently determining total count of poles in service.	2.8	\$ 275.00	\$ 770.00
Tia Mason	06/11/19	Update, as of 06/11/19, the Alteryx workflow to simplify running the additional cuts to data going forward for vegetation for PG&E.	2.5	\$ 325.00	\$ 812.50
David Ross	06/11/19	Presentation to 50+ PG&E team members on distribution risk model and underlying methodologies to receive subject matter expert input and feedback	2.1	\$ 400.00	\$ 840.00
Gaurav Thapan-Raina	06/11/19	Created data visualizations of multiple features of the outage / GNT data on the Python platform as well as geospatial analysis in order to identify additional insights to incorporate into the presentation.	2.5	\$ 400.00	\$ 1,000.00
Lucy Cai	06/11/19	(3.9) Continue, from earlier on 6/11, to compare Phase I distribution pole population to new distribution pole population provided by client contact to compare overlap in SAP equipment IDs / long/lats / HFTD mappings, concurrently determining total count of poles in service.	3.9	\$ 275.00	\$ 1,072.50
Tia Mason	06/11/19	Updating the previous Alteryx vegetation slides based off of the feedback from G. Thapan-Raina (KPMG).	3.4	\$ 325.00	\$ 1,105.00
Gaurav Thapan-Raina	06/11/19	Prepared PowerPoint presentation for scheduled meeting with PG&E Vegetation Management team to discuss results of regional-level tree species analysis and regression model outputs; conducted dimensionality reduction analysis on Python platform in order to confirm key features of the dataset to be used for classification modeling	3.7	\$ 400.00	\$ 1,480.00
David Ross	06/11/19	Prepare presentation materials for meeting with PG&E subject matter experts on distribution risk model.	3.7	\$ 400.00	\$ 1,480.00
Cy Whitten	06/12/19	Draft / respond to email with A. Mani (KPMG) regarding risk dashboard mockup.	0.1	\$ 325.00	\$ 32.50

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Name	Date	Description	Hours	Rate	Amount
Cy Whitten	06/12/19	Draft email with EIR data file to D. Pant (PG&E) for her review.	0.1	\$ 325.00	\$ 32.50
Cy Whitten	06/12/19	Draft email with substation bowtie mockup to D. Pant (PG&E).	0.1	\$ 325.00	\$ 32.50
Cy Whitten	06/12/19	Draft email with the risk dashboard to B. Wong, J. Markland, S. Sohaib (PG&E), A. Mani, and D. Elmlblad (KPMG) for their review	0.1	\$ 325.00	\$ 32.50
Cy Whitten	06/12/19	Communication with K. Caron (KPMG) regarding substation bowtie mockup.	0.2	\$ 325.00	\$ 65.00
Cy Whitten	06/12/19	Follow-up meeting with A. Mani (KPMG) regarding risk dashboard mockup revisions	0.2	\$ 325.00	\$ 65.00
Cy Whitten	06/12/19	Meeting with A. Mani (KPMG) regarding risk dashboard mockup.	0.2	\$ 325.00	\$ 65.00
Cole Gallagher	06/12/19	Validate, concurrently updating input values for Distribution HPR submodel to fix variance.	0.2	\$ 325.00	\$ 65.00
Phillip Prombo	06/12/19	Communication via email with T. Schenk and A. Irwin (KPMG) regarding the correct data model sample we need.	0.2	\$ 400.00	\$ 80.00
Kyle McNamara	06/12/19	Adjust project forecast / change log to reflect impact of extending Pole Integrity Assessment PMO support per J. Birch's (PG&E) request.	0.2	\$ 435.00	\$ 87.00
Arun Mani	06/12/19	Follow-up meeting with C. Whitten (KPMG) regarding risk dashboard mockup revisions.	0.2	\$ 500.00	\$ 100.00
Dennis Cha	06/12/19	Discussion regarding SAP enhancement timeframe and preparation requirement for removing and tracking EC tags in / out of EC Optimization process with H. Duncan and J.C. Mathieson (PG&E).	0.4	\$ 275.00	\$ 110.00
Dennis Cha	06/12/19	Discussion regarding the status of tag mapping and SAP enhancement necessary for fully automated visualization tool with J.C. Mathieson and P. McCabe (PG&E).	0.4	\$ 275.00	\$ 110.00
Phillip Prombo	06/12/19	Communication via with D. Gallo (KPMG) regarding the data and what sample data we'll need before getting the rest of the data.	0.3	\$ 400.00	\$ 120.00
Cy Whitten	06/12/19	Communication with D. Elmlblad (KPMG) regarding risk dashboard mockup.	0.4	\$ 325.00	\$ 130.00
Cole Gallagher	06/12/19	Investigate cause of negative financial consequence production from Python model which turned out to be an unintended consequence from summing across a numpy array with large values.	0.4	\$ 325.00	\$ 130.00
Preston Devaney	06/12/19	Attend call with C. Gallagher, C. Whitten, P. Devaney (KPMG) and B. Wong and Y. Oum (PG&E) to discuss cross-cutting risk application and potential methodologies for incorporating the cross-cutter into the existing webapp and model framework.	0.5	\$ 275.00	\$ 137.50
Gustavo Garcia	06/12/19	Prepare submission request for complete PT&T Data for the latest EC Tag count (.4) and submit to PG&E (.1).	0.5	\$ 275.00	\$ 137.50

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Name	Date	Description	Hours	Rate	Amount
Dennis Cha	06/12/19	Summarized / shared with J.C. Mathieson, M. Esguerra (PG&E) and S. Stoddard (KPMG) the changes and finalization of EC Optimization program tag scope and volume discussed for the past two days, along with the remaining scope of tags to be removed from EC Optimization process.	0.5	\$ 275.00	\$ 137.50
Preston Devaney	06/12/19	Update, as of 06/12/19, the Python code to fix a bug in the recalculations.	0.5	\$ 275.00	\$ 137.50
Cy Whitten	06/12/19	Attend call with C. Gallagher, M. Ehrhardt, P. Devaney (KPMG), B. Wong and Y. Oum (PG&E) to discuss cross-cutting risk application and potential methodologies for incorporating the cross-cutter into the existing webapp and model framework.	0.5	\$ 325.00	\$ 162.50
Cole Gallagher	06/12/19	Attend call with M. Ehrhardt, C. Whitten, P. Devaney (KPMG), B. Wong and Y. Oum (PG&E) to discuss cross-cutting risk application and potential methodologies for incorporating the cross-cutter into the existing webapp and model framework.	0.5	\$ 325.00	\$ 162.50
Cole Gallagher	06/12/19	Catalogue model variances (.4) and submit issues to PG&E for review (.1).	0.5	\$ 325.00	\$ 162.50
Adrian Irwin	06/12/19	Cross-team check-in with B. Wong (PG&E) for status, updates and requests as of 06/12/19.	0.5	\$ 325.00	\$ 162.50
Cole Gallagher	06/12/19	Research subclass usage in Python to investigate potential application in object oriented framework.	0.5	\$ 325.00	\$ 162.50
Gustavo Garcia	06/12/19	Perform analysis focusing on the format of the procedure, concurrently evaluating various examples to determine which format to follow.	0.6	\$ 275.00	\$ 165.00
Kyle McNamara	06/12/19	Prepare plan for altering Task 3 program management to send to B. Wong (PG&E).	0.4	\$ 435.00	\$ 174.00
Dennis Cha	06/12/19	Discussion regarding information, deck needed for EC Optimization program overview, and progress update with J.C. Mathieson (PG&E) in preparation for meeting with Central Coast supervisors / superintendents on 6/14/19.	0.7	\$ 275.00	\$ 192.50
Dennis Cha	06/12/19	Draft action items along with discussion points for the next few weeks of EC Optimization process such as remaining EC Optimization tag scope items, regulatory preparation, and work prioritization and bundling to share with S. Stoddard (KPMG)	0.7	\$ 275.00	\$ 192.50
Gustavo Garcia	06/12/19	Draft email with review for documenting PG&E updates.	0.7	\$ 275.00	\$ 192.50
Adrian Irwin	06/12/19	Address Gatsby compiler errors / warnings within code.	0.6	\$ 325.00	\$ 195.00
Jason Weng	06/12/19	Attended daily EC Tag assignment call led by G. Race (PG&E) and Internal Estimating & Design supervisor team providing support for use of Tableau dashboard and any additional ad hoc reports required.	0.6	\$ 325.00	\$ 195.00

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Asset Management Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Rate	Amount
Carlo Toribio	06/12/19	Implementing navigation for every tab control as the tabs are shared in three different places in the app, concurrently updating as needed to sync the selected tab.	0.6	\$ 325.00	\$ 195.00
Jason Weng	06/12/19	Meeting with S. Doleemascolo and M. Agarwal (PG&E) to review need to support CGI daily report.	0.6	\$ 325.00	\$ 195.00
Aldryn Estacio	06/12/19	Incorporate new title screens to the Tableau InVision demo to help separate the user roles.	0.5	\$ 400.00	\$ 200.00
Mark Ehrhardt	06/12/19	Attend call with C. Gallagher, C. Whitten, P. Devaney (KPMG), B. Wong and Y. Oum (PG&E) to discuss cross-cutting risk application and potential methodologies for incorporating the cross-cutter into the existing webapp and model framework.	0.5	\$ 435.00	\$ 217.50
Kyle McNamara	06/12/19	Attend call with A. Mani (KPMG) to review program management plans for Task 3.	0.5	\$ 435.00	\$ 217.50
Preston Devaney	06/12/19	Analyze the Python code to determine why negative values were being returned for certain simulations.	0.8	\$ 275.00	\$ 220.00
Dennis Cha	06/12/19	Perform analysis on validation for finalized tag data segmentation for re-review by B&V.	0.8	\$ 275.00	\$ 220.00
Dennis Cha	06/12/19	Meeting in preparation for Review ECOP Weekly Status Update with S. Stoddard (KPMG).	0.9	\$ 275.00	\$ 247.50
Arun Mani	06/12/19	Attend call with K. McNamara (KPMG) to review program management plans for Task 3.	0.5	\$ 500.00	\$ 250.00
Carlo Toribio	06/12/19	Meeting with A. Irwin (KPMG) to discuss layout strategies pertaining to Task 3	0.8	\$ 325.00	\$ 260.00
Adrian Irwin	06/12/19	Meeting with C. Toribio (KPMG) to discuss layout strategies pertaining to Task 3.	0.8	\$ 325.00	\$ 260.00
Adrian Irwin	06/12/19	Incorporate the Add Risk form to the Create Project view.	0.8	\$ 325.00	\$ 260.00
Adrian Irwin	06/12/19	Connect Create Project view to the AWS lambda, concurrently incorporating the list of risks.	0.9	\$ 325.00	\$ 292.50
Adrian Irwin	06/12/19	Restore original layout of database .sql files.	0.9	\$ 325.00	\$ 292.50
Adrian Irwin	06/12/19	Continued to prepare the "Create Project" view for Task 3.	1.0	\$ 325.00	\$ 325.00
Cy Whitten	06/12/19	Created substation bowtie mock-up	1.0	\$ 325.00	\$ 325.00
Gustavo Garcia	06/12/19	Continue, as of 06/12/19, data clean-up and review of spreadsheets generated by L. Cai (KPMG).	1.2	\$ 275.00	\$ 330.00
Dennis Cha	06/12/19	Discussion regarding potential scope gap of duplicate tags in EC Optimization process and next steps on the work down with H. Duncan and J.C. Mathieson (PG&E).	1.2	\$ 275.00	\$ 330.00
Gustavo Garcia	06/12/19	Meeting for Pole Integrity Assessment Status Update, path forward, establishment of formal procedure document with J. Birch (PG&E) and S. Stoddard (KPMG).	1.3	\$ 275.00	\$ 357.50
Gustavo Garcia	06/12/19	Perform Status Report updates, as of 06/12/19, to the EC Tag Optimization Slide.	1.3	\$ 275.00	\$ 357.50
Scott Stoddard	06/12/19	Meeting in preparation for Review ECOP Weekly Status Update with D. Cha (KPMG).	0.9	\$ 435.00	\$ 391.50
Mark Martin	06/12/19	Update the styling of the detailed layout of the project grid breakout view.	1.0	\$ 400.00	\$ 400.00

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Name	Date	Description	Hours	Rate	Amount
Preston Devaney	06/12/19	Create a seeding class in the Python code, concurrently recreating the current results using the new class.	1.5	\$ 275.00	\$ 412.50
Cole Gallagher	06/12/19	Construct validation document to visualize variances between Python model / @risk model.	1.4	\$ 325.00	\$ 455.00
Scott Stoddard	06/12/19	Meeting for Pole Integrity Assessment Status Update, path forward, establishment of formal procedure document with. J. Birch (PG&E) and G. Garcia (KPMG).	1.3	\$ 435.00	\$ 565.50
Dennis Cha	06/12/19	Review, concurrently updating draft slides 5 / 6 of this week's EC Optimization status report provided by G. Garcia (KPMG) and P. McCabe, (PG&E) respectively.	2.1	\$ 275.00	\$ 577.50
Cy Whitten	06/12/19	Review EIR data file for data quality, concurrently updating for pivot table view.	1.8	\$ 325.00	\$ 585.00
Jason Weng	06/12/19	Review past 'Can't Get In' daily reports along with update process to identify gaps / issues.	1.9	\$ 325.00	\$ 617.50
Adrian Irwin	06/12/19	Incorporate run statuses (.7); Remove common.js / config.js from the lambdas(.7); Remove extraneous space. (.7)	2.1	\$ 325.00	\$ 682.50
Mark Martin	06/12/19	Update the styling of the project data grid view focusing on the creation / application of predetermined colors / fonts.	1.9	\$ 400.00	\$ 760.00
Aldryn Estacio	06/12/19	Relink, concurrently repositioning multiple screens in InVision app for proper click thru experience.	2.0	\$ 400.00	\$ 800.00
Cy Whitten	06/12/19	Meeting with D. Pant, Y. Oum, V. Loh (PG&E) to discuss climate drivers.	2.5	\$ 325.00	\$ 812.50
Dennis Cha	06/12/19	Drafted slides 2 / 3 / 4 / 7 of this week's EC Optimization status report based on progress updates / discussions with PG&E.	3.0	\$ 275.00	\$ 825.00
Jason Weng	06/12/19	Attended afternoon session of PG&E Info Tag D J. Mathieson, H. Duncan, J. Manzoor, A. Dashner, J. Bright, R. Smith, E. Scaief, L. Bayne, M. Amir, M. Esguerra, A. Morabe, H. Grover, R. Beasla, R. Rao, D. Ohlendorf, J. Bouch, A. Hans, E. Proctor, W. Wang, M. Frost (PG&E), S. Stoddard (KPMG).	2.6	\$ 325.00	\$ 845.00
Cy Whitten	06/12/19	Updated risk dashboard mockup based on feedback from meetings with B. Wong (PG&E), A. Mani, and D. Elmlblad (KPMG).	2.9	\$ 325.00	\$ 942.50
Cole Gallagher	06/12/19	Run @risk models to aggregate natural unit consequence data at different iteration levels for each of the 6 Gas submodels in order to validate against Python model.	3.0	\$ 325.00	\$ 975.00
Daniel Elmlblad	06/12/19	2.7 - Reviewed rebuttal documentation as precursor to developing rebuttal testimony for PG&E; 0.3 - Call with C. Lorie (PwC) to review required work for rebuttal testimony	3.0	\$ 325.00	\$ 975.00
Gustavo Garcia	06/12/19	3.6 Updated POL PowerPoint presentation	3.6	\$ 275.00	\$ 990.00
Mark Martin	06/12/19	Update the styling of the detailed layout of the project data grid view which is a discreet page in the application that shows a chart / a table for a selected project via revisions to the CSS files as well as the project grid breakout view.	2.5	\$ 400.00	\$ 1,000.00

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Name	Date	Description	Hours	Rate	Amount
Carlo Toribio	06/12/19	Continue, from earlier in the day, implementing navigation for every tab control as the tabs are shared in three different places in the app, concurrently updating as needed to sync the selected tab.	3.1	\$ 325.00	\$ 1,007.50
Carlo Toribio	06/12/19	Perform restructuring of the CSS styling code to make some of the styling re-usable in other parts of the application.	3.2	\$ 325.00	\$ 1,040.00
Mark Martin	06/12/19	Update the styling of the project grid breakout view focusing on the positioning of elements.	2.7	\$ 400.00	\$ 1,080.00
Aldryn Estacio	06/12/19	Re-linked all the new design images in InVision app to prepare Hotspots for demonstration in the webapp designs.	2.8	\$ 400.00	\$ 1,120.00
Scott Stoddard	06/12/19	Attended afternoon session of PG&E Info Tag (RK) Workshop with J. Mathieson, H. Duncan, J. Manzoor, A. Dashner, J. Bright, R. Smith, E. Scaief, L. Bayne, M. Amir, M. Esguerra, A. Morabe, H. Grover, R. Beasla, R. Rao, D. Ohlendorf, J. Bouch, A. Hans, E. Proctor, W. Wang, M. Frost (PG&E), J. Weng (KPMG).	2.6	\$ 435.00	\$ 1,131.00
Jason Weng	06/12/19	Attended morning session of PG&E Info Tag (RK) Workshop with J. Mathieson, H. Duncan, J. Manzoor, A. Dashner, J. Bright, R. Smith, E. Scaief, L. Bayne, M. Amir, M. Esguerra, A. Morabe, H. Grover, R. Beasla, R. Rao, D. Ohlendorf, J. Bouch, A. Hans, E. Proctor, W. Wang, M. Frost (PG&E), S. Stoddard (KPMG).	3.5	\$ 325.00	\$ 1,137.50
Arun Mani	06/12/19	Partner review of the Ux dashboard, providing comments / updates for the KPMG team as to the appearance.	2.5	\$ 500.00	\$ 1,250.00
Scott Stoddard	06/12/19	Attended morning session of PG&E Info Tag (RK) Workshop with J. Mathieson, H. Duncan, J. Manzoor, A. Dashner, J. Bright, R. Smith, E. Scaief, L. Bayne, M. Amir, M. Esguerra, A. Morabe, H. Grover, R. Beasla, R. Rao, D. Ohlendorf, J. Bouch, A. Hans, E. Proctor, W. Wang, M. Frost (PG&E), J. Weng (KPMG).	3.5	\$ 435.00	\$ 1,522.50
Arun Mani	06/12/19	Partner review of the UX dashboard, providing comments to the KPMG team regarding the code requirements.	3.6	\$ 500.00	\$ 1,800.00
David Ross	06/12/19	.2 Discussion with S. Strenfel (PG&E) regarding source of outage producing winds data and how to incorporate into distribution risk model	0.2	\$ 400.00	\$ 80.00
David Ross	06/12/19	.3 Manager review of transmission bundling output prior to sending to PG&E	0.3	\$ 400.00	\$ 120.00
Matt Broida	06/12/19	(.3) Apply revisions to PG&E-VM-Update-11JUN2019 (003).pptx.	0.3	\$ 435.00	\$ 130.50
Matt Broida	06/12/19	(.3) Discussion with P. McCabe (PG&E) regarding data visualization transition to PG&E.	0.3	\$ 435.00	\$ 130.50
Matt Broida	06/12/19	(.3) Tableau meeting preparation with D. Gaspar (KPMG).	0.3	\$ 435.00	\$ 130.50
Brian Wei	06/12/19	Analyze process of incorporating mitigations and weather into the risk reduction model (0.5).	0.5	\$ 275.00	\$ 137.50

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Asset Management Services

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Name	Date	Description	Hours	Rate	Amount
Brian Wei	06/12/19	Participated in meeting with P. McCabe, R. Papa, and K. Visram (PG&E) to discuss how to update the circuit names within the EC tag data (0.5).	0.5	\$ 275.00	\$ 137.50
Brian Wei	06/12/19	Uploaded asset level files for K. Visram (PG&E) to use for the visualization of the risk reduction model (0.5).	0.5	\$ 275.00	\$ 137.50
David Ross	06/12/19	.4 Call with S. Adderly (PG&E), M. Xu, B. Wei (KPMG) to discuss distribution risk model and progress to date, specifically with underlying data set of distribution poles. (partial attendance)	0.4	\$ 400.00	\$ 160.00
Marcus Xu	06/12/19	Distribution asset probability model status with S. Adderly (PG&E), D. Ross, J. White (KPMG). (0.5)	0.5	\$ 325.00	\$ 162.50
Gaurav Thapan-Raina	06/12/19	Meeting with M. Broida (KPMG) to review overall slide deck and incorporate suggestions from broader KPMG team	0.5	\$ 400.00	\$ 200.00
Matt Broida	06/12/19	(.5) Review of EC & S9 Tag SAP Data Dump to facilitate data aggregation and visualization of EC tags with B. Wei (KPMG), P. McCabe, K. Visram, and R. Papa (PG&E).	0.5	\$ 435.00	\$ 217.50
Jonathan White	06/12/19	Discuss Distribution asset probability model mitigations approach with D. Ross, M. Xu, B. Wei, M. Broida (KPMG). (0.5)	0.5	\$ 475.00	\$ 237.50
Jonathan White	06/12/19	Distribution asset probability model status with S. Adderly (PG&E), D. Ross, M. Xu (KPMG). (0.5)	0.5	\$ 475.00	\$ 237.50
David Ross	06/12/19	.6 Analysis of vegetation data provided by PG&E for use in vegetation model as well as a vegetation modifier for risk model	0.6	\$ 400.00	\$ 240.00
Brian Wei	06/12/19	Analyzed new list of poles to protection zones to see how it matches to assets (1.0).	1.0	\$ 275.00	\$ 275.00
Matt Broida	06/12/19	(.7) Development of PG&E-VM-InitialFindings-13JUN2019 Sumeet Review.pptx to combine vegetation management analysis to date into a single deck for PG&E Executive review.	0.7	\$ 435.00	\$ 304.50
Matt Broida	06/12/19	Sumeet Vegetation meeting preparation with J. White, G. Thapan-Raina (KPMG). (.7) (partial attendance)	0.7	\$ 435.00	\$ 304.50
Matt Broida	06/12/19	(.7) Vegetation Management review meeting to document PG&E-VM-Update-11JUN2019 (002).pptx with G. Thapan-Raina (KPMG).	0.7	\$ 435.00	\$ 304.50
Marcus Xu	06/12/19	Created Pivot table to analyze the Outage data by weather. (1.0)	1.0	\$ 325.00	\$ 325.00
Marcus Xu	06/12/19	Discussion regarding the potential weather variables to be included in the model development with B. Wei (KPMG). (1.0)	1.0	\$ 325.00	\$ 325.00
Marcus Xu	06/12/19	Discussion with D. Ross, B. Wei (KPMG) regarding the Mitigation component in the model development as well as the Weather component. (1.0)	1.0	\$ 325.00	\$ 325.00
Marcus Xu	06/12/19	Perform analysis regarding method to incorporate the weather station data into current model. (1.0)	1.0	\$ 325.00	\$ 325.00
Marcus Xu	06/12/19	Review output vegetation model data to create plots for the vegetation meeting. (1.0)	1.0	\$ 325.00	\$ 325.00
Marcus Xu	06/12/19	Re-visited the outage data, concurrently decomposing to the protection zone level. (1.0)	1.0	\$ 325.00	\$ 325.00

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Name	Date	Description	Hours	Rate	Amount
Tia Mason	06/12/19	Vegetation study review with vegetation management team of M. Frauenheim, J. Vos, K. Loomis, D. Kida, J. Thompson, M. Stewart (PG&E), G. Thapan-Raina, J. White (KPMG). (1.0)	1.0	\$ 325.00	\$ 325.00
Matt Broida	06/12/19	(.8) Tableau refresh meeting to assist B&V with P. McCabe (PG&E), D. Gaspar (KPMG), G. Chatha (B&V).	0.8	\$ 435.00	\$ 348.00
Gaurav Thapan-Raina	06/12/19	Presented findings of detailed regional analysis and regression (logistic/random forest) models of the ongoing tree hazard study to M. Frauenheim, J. Vos, J. Thompson (PG&E), J. White, M. Broida (KPMG)	1.0	\$ 400.00	\$ 400.00
Brian Wei	06/12/19	Generated original order of grouped data for engineering reviews (1.5).	1.5	\$ 275.00	\$ 412.50
Tia Mason	06/12/19	Updating, as of 06/12/19, the Excel worksheet with new cuts of the data for vegetation for PG&E	1.3	\$ 325.00	\$ 422.50
David Ross	06/12/19	Analyze inherent probability of failure values in distribution risk model to determine how to break out values by regions within PG&E's territory	1.1	\$ 400.00	\$ 440.00
David Ross	06/12/19	Meeting with B. Wei, M. Xu (KPMG) to discuss mitigation and meteorology elements of distribution risk model to finalize underlying methodologies.	1.1	\$ 400.00	\$ 440.00
Jonathan White	06/12/19	Distribution data analysis HFTD mapping review with JB. Birch (PG&E)	1.0	\$ 475.00	\$ 475.00
Jonathan White	06/12/19	Sumeet Vegetation meeting preparation with M. Broida, G. Thapan-Raina (KPMG). (1.0)	1.0	\$ 475.00	\$ 475.00
Jonathan White	06/12/19	Vegetation study review with vegetation management team of M. Frauenheim, J. Vos, K. Loomis, D. Kida, J. Thompson, M. Stewart (PG&E), G. Thapan-Raina, T. Mason (KPMG). (1.0)	1.0	\$ 475.00	\$ 475.00
Marcus Xu	06/12/19	Develop Alteryx workflow to analyze the weather station data. (1.5)	1.5	\$ 325.00	\$ 487.50
David Ross	06/12/19	Develop placeholder probability of failure values of mitigations where PG&E data was lacking.	1.3	\$ 400.00	\$ 520.00
David Ross	06/12/19	Perform analysis to determine how to incorporate mitigation component of distribution risk model which reflects actual PG&E data and a simulation component	1.3	\$ 400.00	\$ 520.00
Brian Wei	06/12/19	Created an Alteryx workflow to determine how mitigations can impact the probability of failure of an asset and its risk score (2.0).	2.0	\$ 275.00	\$ 550.00
Brian Wei	06/12/19	Prepared workflow to weather data to weather station data (2.0).	2.0	\$ 275.00	\$ 550.00
Matt Broida	06/12/19	(1.3) Tree Risk Assessment Data Analysis check-in to review analysis with vegetation management SMEs with G. Thapan-Raina, T. Mason (KPMG), K. Loomis, M. Frauenheim, K. Rashid, J. Thompson, D. Kida (PG&E).	1.3	\$ 435.00	\$ 565.50
Lucy Cai	06/12/19	(2.4) Mapped Tier 1 Zone 1 structures through shapefile provided by PG&E, concurrently comparing mappings to list of equipment Ids mapped as tier 1 zone 1 in previous analysis.	2.4	\$ 275.00	\$ 660.00

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Name	Date	Description	Hours	Rate	Amount
Tia Mason	06/12/19	Continued, as of 6/12, populating slides for the Alteryx vegetation workflow for PG&E with additional information obtained.	2.4	\$ 325.00	\$ 780.00
Lucy Cai	06/12/19	(3.2) Mapped two populations of distribution poles to HFTDs using Tier 2 / Tier 3 shapefiles used during Phase I of the project, concurrently reconciling the differences in mappings compared to the internal GIS mapping used by PG&E.	3.2	\$ 275.00	\$ 880.00
David Ross	06/12/19	Analyze mitigation data provided by PG&E in order to determine how to incorporate into distribution risk model	2.4	\$ 400.00	\$ 960.00
Lucy Cai	06/12/19	(3.4) Created database with a table reconciliation of the two distribution populations / differences in HFTD mappings and (.1) providing all files to the client for internal meeting.	3.5	\$ 275.00	\$ 962.50
Tia Mason	06/12/19	Implementing, as of 06/12/19, changes by including additional cuts (looking at various descriptions of the trees) to the Alteryx workflow based on meeting for vegetation for PG&E.	3.3	\$ 325.00	\$ 1,072.50
Gaurav Thapan-Raina	06/12/19	Created PowerPoint presentation for meeting with PG&E Vegetation Management team scheduled later that afternoon; created a revised project timeline to discuss accomplishments to date and future activities, double-checked dataset to confirm the right proportion of top tree species causing outages and GNTs across the six regions identified (Bay, Central Coast, North Coast, North Valley, Sierra and Central Valley)	3.1	\$ 400.00	\$ 1,240.00
Gaurav Thapan-Raina	06/12/19	Revised presentation to incorporate comments obtained during the presentation to PG&E stakeholders on initial findings: refined findings from correlation analysis and factors impacting tree health and risk; prepared additional cuts of data by assessing tree health, soil conditions, terrain features and extent of tree lean across top ten tree species across the PG&E service territory to identify any additional trends/insights that could help explain tree hazard; revised overall presentation	3.4	\$ 400.00	\$ 1,360.00
Cy Whitten	06/13/19	Draft email with forms to D. Mahe-Torres (PG&E) to obtain Lan ID for retrieval of files to complete the bowtie analysis.	0.1	\$ 325.00	\$ 32.50
Cole Gallagher	06/13/19	Update Transmission Complex mitigation inputs to fix variance between models.	0.2	\$ 325.00	\$ 65.00
Cy Whitten	06/13/19	Draft email to K. Caron (KPMG) with status on EIR data review as well as SAIDI data field review.	0.3	\$ 325.00	\$ 97.50
Preston Devaney	06/13/19	Call with C. Gallagher (KPMG) to structure sampling method within OOP framework.	0.4	\$ 275.00	\$ 110.00
Gustavo Garcia	06/13/19	Incorporate detail to weekly status updates to accurately reflect all the efforts being made as of 06/13/19.	0.4	\$ 275.00	\$ 110.00
Dennis Cha	06/13/19	Prepared for biweekly huddle call by discussing PMO updates with J.C. Mathieson (PG&E) and summarizing previous huddle call.	0.4	\$ 275.00	\$ 110.00

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Name	Date	Description	Hours	Rate	Amount
Dennis Cha	06/13/19	Updated biweekly core team huddle meeting minutes and action item tracker based on comments from S. Stoddard (KPMG) (.3) and distributed to the core KPMG team (.1).	0.4	\$ 275.00	\$ 110.00
Cole Gallagher	06/13/19	Call with P. Devaney (KPMG) to structure sampling method within OOP framework.	0.4	\$ 325.00	\$ 130.00
Jason Weng	06/13/19	Updated May Business Process Review material with current data as of 06/13/19.	0.4	\$ 325.00	\$ 130.00
Kyle McNamara	06/13/19	Communication with R. Squalli Houssaini (KPMG) regarding Task 3 code development status.	0.3	\$ 435.00	\$ 130.50
Preston Devaney	06/13/19	Call with C. Gallagher, T. Schenk (KPMG) to discuss cross cutting risk application and general development status as of 06/13/19.	0.5	\$ 275.00	\$ 137.50
Preston Devaney	06/13/19	Attend PG&E Task 3 check-in call with C. Gallagher, M. Ehrhardt, A. Irwin, T. Schenk (KPMG), B. Wong, Y. Oum, V. Loh (PG&E) to discuss current project status / open items as of 06/13/19.	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/13/19	Meeting for EC tag Optimization Bi-weekly Huddle with J.C. Mathieson, P. McCabe, B. Koelling, O. Takeshima, E. Scaief, D. Thayer, C. Araquistain, T. Pazdan, J. Birch, H. Duncan, R. Franks, J. E. Thalman, J. Tong (Lieu), D. Durbin (PG&E), G. Chatha, B. Tuffley (both B&V), S. Stoddard (KPMG).	0.5	\$ 275.00	\$ 137.50
Gustavo Garcia	06/13/19	POL Bi-Weekly Status Huddle with S. Stoddard (KPMG), J. Birch, J.C. Mathieson, L. LoGrande, C. Wong, M. Thompson, J. Wright, S. Wetter (PG&E).	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/13/19	Review EC Optimization program overview, progress update deck, weekly EC Optimization program status update with J.C. Mathieson (PG&E) and S. Stoddard (KPMG).	0.5	\$ 275.00	\$ 137.50
Preston Devaney	06/13/19	Testing the outputs of the updated code against the previous versions.	0.5	\$ 275.00	\$ 137.50
Cole Gallagher	06/13/19	Call with P. Devaney, T. Schenk (KPMG) to discuss cross cutting risk application and general development status as of 06/13/19.	0.5	\$ 325.00	\$ 162.50
Adrian Irwin	06/13/19	Attend PG&E Task 3 check-in call with C. Gallagher, P. Devaney, M. Ehrhardt, T. Schenk (KPMG), B. Wong, Y. Oum, V. Loh (PG&E) to discuss current project status / open items as of 06/13/19.	0.5	\$ 325.00	\$ 162.50
Cole Gallagher	06/13/19	Attend PG&E Task 3 check-in call with P. Devaney, M. Ehrhardt, A. Irwin, T. Schenk (KPMG), B. Wong, Y. Oum, V. Loh (PG&E) to discuss current project status / open items as of 06/13/19.	0.5	\$ 325.00	\$ 162.50
Jason Weng	06/13/19	Call with R. Papa (PG&E) to discuss support of revised bucket report and current issues with Bucket Report.	0.5	\$ 325.00	\$ 162.50

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Name	Date	Description	Hours	Rate	Amount
Cy Whitten	06/13/19	Draft email with status update to K. McNamara (KPMG) regarding tasks completed this week and tasks for next week, to share with PG&E as of 06/13/19.	0.5	\$ 325.00	\$ 162.50
Gustavo Garcia	06/13/19	Walkthrough workflow and Excel spreadsheet output for pole integrity assessment with D. Cha (KPMG)	0.6	\$ 275.00	\$ 165.00
Dennis Cha	06/13/19	Walkthrough workflow and Excel spreadsheet output for pole integrity assessment with G. Garcia (KPMG)	0.6	\$ 275.00	\$ 165.00
Dennis Cha	06/13/19	Interactively drafted weekly AMS status report for Task 2 portion (EC Optimization program status update).	0.6	\$ 275.00	\$ 165.00
Preston Devaney	06/13/19	Created the main Python file to run the model through all other files.	0.7	\$ 275.00	\$ 192.50
Jason Weng	06/13/19	Meeting with S. Cullings (PG&E) and S. Stoddard (KPMG) to discuss reporting transition needs or future reporting support.	0.6	\$ 325.00	\$ 195.00
Cy Whitten	06/13/19	Review distribution outage data to determine how to obtain SAIDI data field.	0.6	\$ 325.00	\$ 195.00
Rita Squalli Houssaini	06/13/19	Call with T. Schenk (KPMG) to review program management plans for Sub Task 2 of Task 3.	0.5	\$ 400.00	\$ 200.00
Aldryn Estacio	06/13/19	Communication with P. Prombo (KPMG) regarding sample data visualization populated to test filtering options.	0.5	\$ 400.00	\$ 200.00
Tom Schenk	06/13/19	Call with C. Gallagher, P. Devaney (KPMG) to discuss cross cutting risk application and general development status as of 06/13/19.	0.5	\$ 435.00	\$ 217.50
Mark Ehrhardt	06/13/19	Attend PG&E Task 3 check-in call with C. Gallagher, P. Devaney, A. Irwin, T. Schenk (KPMG), B. Wong, Y. Oum, V. Loh (PG&E) to discuss current project status / open items as of 06/13/19.	0.5	\$ 435.00	\$ 217.50
Tom Schenk	06/13/19	Attend PG&E Task 3 check-in call with C. Gallagher, P. Devaney, M. Ehrhardt, A. Irwin (KPMG), B. Wong, Y. Oum, V. Loh (PG&E) to discuss current project status / open items as of 06/13/19.	0.5	\$ 435.00	\$ 217.50
Tom Schenk	06/13/19	Call with R. Squalli Houssaini (KPMG) to review program management plans for Sub Task 2 of Task 3.	0.5	\$ 435.00	\$ 217.50
Scott Stoddard	06/13/19	Meeting for EC tag Optimization Bi-weekly Huddle with J.C. Mathieson, P. McCabe, B. Koelling, O. Takeshima, E. Scaief, D. Thayer, C. Araquistain, T. Pazdan, J. Birch, H. Duncan, R. Franks, B. Tuffley, J. E. Thalman, J. Tong (Lieu), D. Durbin (PG&E) G. Chatha, B. Tuffley (both B&V), D. Cha (KPMG).	0.5	\$ 435.00	\$ 217.50
Scott Stoddard	06/13/19	POL Bi-Weekly Status Huddle with G. Garcia (KPMG), J. Birch, J.C. Mathieson, L. LoGrande, C. Wong, M. Thompson, J. Wright, S. Wetter (PG&E).	0.5	\$ 435.00	\$ 217.50

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Name	Date	Description	Hours	Rate	Amount
Scott Stoddard	06/13/19	Review EC Optimization program overview, progress update deck, weekly EC Optimization program status update with J.C. Mathieson (PG&E) and D. Cha (KPMG).	0.5	\$ 435.00	\$ 217.50
Dennis Cha	06/13/19	Update, as of 06/13/19, the EC Optimization program weekly status report based on comments from S. Stoddard (KPMG) on slide 2-7 (.7) and submitted to J.C. Mathieson and M. Esguerra (PG&E) for review and issuance (.1).	0.8	\$ 275.00	\$ 220.00
Cole Gallagher	06/13/19	Incorporate mitigation data into model validation table in order to validate the mitigation application functionality in the Python code.	0.7	\$ 325.00	\$ 227.50
Scott Stoddard	06/13/19	Meeting with S. Cullings (PG&E) and J. Weng (KPMG) to discuss reporting transition needs or future reporting support.	0.6	\$ 435.00	\$ 261.00
Jason Weng	06/13/19	Developed bullets for Task 2 weekly status report.	0.9	\$ 325.00	\$ 292.50
Gustavo Garcia	06/13/19	Update, as of 06/13/19, POL presentation to reflect progress and share in POL huddle meeting.	1.1	\$ 275.00	\$ 302.50
Cy Whitten	06/13/19	Completed forms for obtaining LAN ID as required to obtain files for completing bowtie analysis.	1.0	\$ 325.00	\$ 325.00
Kyle McNamara	06/13/19	Update, as of 06/13/19, the program status report / change log with KPMG team input.	0.8	\$ 435.00	\$ 348.00
Gustavo Garcia	06/13/19	Task 2 Status Update Template review with S. Stoddard (KPMG).	1.3	\$ 275.00	\$ 357.50
Aldryn Estacio	06/13/19	Select sample images from the PG&E Brand website (.9) and sent to B. Wong (PG&E) for review (.1).	1.0	\$ 400.00	\$ 400.00
Gustavo Garcia	06/13/19	Perform Dashboard updates in preparation for pole integrity huddle meeting to reflect breakdown of risk scoring for the top 9 circuit protection zones.	1.5	\$ 275.00	\$ 412.50
Kyle McNamara	06/13/19	Attend call with J. Gonzalez (KPMG) to discuss engagement status as of 6/13 and QA review points.	1.0	\$ 435.00	\$ 435.00
Scott Stoddard	06/13/19	Meeting for ECOP Weekly Status Report Review with J.C. Mathieson (PG&E).	1.0	\$ 435.00	\$ 435.00
Preston Devaney	06/13/19	Create the risk class within the Python code, concurrently restructuring the code.	1.6	\$ 275.00	\$ 440.00
Juan Gonzalez III	06/13/19	Attend call with K. McNamara (KPMG) to discuss engagement status as of 6/13 and QA review points.	1.0	\$ 500.00	\$ 500.00
Reid Tucker	06/13/19	Partner review of task 2 weekly reporting as of 6/13, concurrently providing comments.	1.0	\$ 500.00	\$ 500.00
Adrian Irwin	06/13/19	Global SCSS refactor - harmonizing layout elements in HTML across the entirety of the application.	1.6	\$ 325.00	\$ 520.00
Adrian Irwin	06/13/19	Global SCSS refactor - harmonizing presentation elements in HTML across the entirety of the application.	1.6	\$ 325.00	\$ 520.00
Adrian Irwin	06/13/19	Global SCSS refactor - harmonizing layout in CSS across the entirety of the application.	1.7	\$ 325.00	\$ 552.50
Adrian Irwin	06/13/19	Global SCSS refactor - harmonizing presentation elements in CSS across the entirety of the application.	1.7	\$ 325.00	\$ 552.50

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Name	Date	Description	Hours	Rate	Amount
Cole Gallagher	06/13/19	Run the @risk models to obtain accurate risk score outputs to validate against Python model outputs.	1.7	\$ 325.00	\$ 552.50
Aldryn Estacio	06/13/19	After downloading PG&E web style guides, match up layout content to our current design.	1.4	\$ 400.00	\$ 560.00
Gustavo Garcia	06/13/19	Incorporate data calculations to pole integrity spreadsheet to include updates to test 5.	2.1	\$ 275.00	\$ 577.50
Carlo Toribio	06/13/19	Perform testing on the code in the dashboard skeleton.	1.8	\$ 325.00	\$ 585.00
Cy Whitten	06/13/19	Meeting with B. Wong (PG&E) to discuss risk dashboard mockup.	2.0	\$ 325.00	\$ 650.00
Carlo Toribio	06/13/19	Building the new dashboard skeleton by researching, concurrently writing code.	2.2	\$ 325.00	\$ 715.00
Gustavo Garcia	06/13/19	POL coordination with core team to resolve questions from the field regarding 13 POL on hold status (2.3) and communication regarding same with J. Birch, C. Wong and S. Wetters (PG&E) (.4).	2.7	\$ 275.00	\$ 742.50
Kyle McNamara	06/13/19	Perform director review of AMS status reports, as of 6/13, for ultimate communication to PG&E.	1.8	\$ 435.00	\$ 783.00
Aldryn Estacio	06/13/19	WebApp icon clean up (1.9) and export to A. Irwin (KPMG) for development (.1).	2.0	\$ 400.00	\$ 800.00
Scott Stoddard	06/13/19	Prepare for meeting by review of last updated template to note discussion points for updates. (.7) Meeting for Task 2 template review with G. Gustavo (KPMG). (1.3)	2.0	\$ 435.00	\$ 870.00
Jason Weng	06/13/19	Update, as of 06/13/19, the Internal Estimating & Design Weekly throughput / progress reports with current EC tag data.	2.8	\$ 325.00	\$ 910.00
Dennis Cha	06/13/19	Drafted single slide deck of EC Optimization program overview / progress update that J.C. Mathieson (PG&E) will give to Central Coast supervisors and superintendents on 6/14/19.	3.4	\$ 275.00	\$ 935.00
Mark Martin	06/13/19	Continue, from earlier on 06/13/19, to create the JavaScript / HTML pages that create the Project View for PG&E App.	2.4	\$ 400.00	\$ 960.00
Daniel Elmlad	06/13/19	3.0 - Continued, as of 6/13, review of rebuttal documentation along with prior testimony to prepare to develop rebuttal testimony for PG&E	3.0	\$ 325.00	\$ 975.00
Carlo Toribio	06/13/19	Continue, from earlier in the day, building the new dashboard skeleton by researching, concurrently developing code.	3.1	\$ 325.00	\$ 1,007.50
Mark Martin	06/13/19	Create the JavaScript / HTML pages that create the Project View for PG&E App focusing on the buttons in the view.	2.6	\$ 400.00	\$ 1,040.00
Jason Weng	06/13/19	Update, as of 06/13/19, 'Can't Get In' reporting as requested by S. Cullings (PG&E) to current data.	3.2	\$ 325.00	\$ 1,040.00
Cole Gallagher	06/13/19	Update environmental consequence calculation function in order to calculate the sum of the two discrete distributions prior to taking the average of each individual discrete consequence to fix variance.	3.6	\$ 325.00	\$ 1,170.00
Mark Martin	06/13/19	Create the JavaScript along with HTML pages that create the Project View for PG&E App focusing on the creation of the associated tables.	3.1	\$ 400.00	\$ 1,240.00

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Name	Date	Description	Hours	Rate	Amount
Scott Stoddard	06/13/19	Review, concurrently updating KPMG Task 2 Activities incorporating feedback from joint meetings with PG&E / KPMG teams.	2.9	\$ 435.00	\$ 1,261.50
Mark Martin	06/13/19	Create the JavaScript and HTML pages that create the Project View for PG&E App focusing on the positioning of the buttons / associated tables as well as incorporating their associated styles utilizing CSS.	3.7	\$ 400.00	\$ 1,480.00
David Ross	06/13/19	.3 Meeting with G. Thapan, M. Broida (KPMG) to discuss synergies between distribution risk model and vegetation model to understand what data could be shared between models to improve accuracy.	0.3	\$ 400.00	\$ 120.00
Matt Broida	06/13/19	(.3) Review relevant material to prepare for S. Singh's (PG&E) vegetation management update with G. Thapan-Raina (KPMG).	0.3	\$ 435.00	\$ 130.50
Matt Broida	06/13/19	(.3) Data visualization file discussion and preparation for coming week with B. Wei (KPMG).	0.3	\$ 435.00	\$ 130.50
Matt Broida	06/13/19	(.3) Discussion of potential Tableau remote server pilot to support PG&E with D. Gaspar (KPMG).	0.3	\$ 435.00	\$ 130.50
Matt Broida	06/13/19	(.3) End of week task alignment for visualization with P. McCabe (PG&E).	0.3	\$ 435.00	\$ 130.50
Matt Broida	06/13/19	(.3) Provide update to C. Whitten (KPMG) on EC Tag documentation and required revisions.	0.3	\$ 435.00	\$ 130.50
Brian Wei	06/13/19	Met with S. Adderly (PG&E) to discuss updates to risk reduction model (0.5).	0.5	\$ 275.00	\$ 137.50
David Ross	06/13/19	Analyze meteorology data to determine how to incorporate into distribution risk model as a modifier of probability of failure of an asset.	0.4	\$ 400.00	\$ 160.00
Marcus Xu	06/13/19	Participated in client check-in meeting with D. Ross, J. White (KPMG), S. Adderly (PG&E) regarding the modeling update as of 6/13. (0.5)	0.5	\$ 325.00	\$ 162.50
Brian Wei	06/13/19	Review outputs of the grouped data run for the engineering review. (0.6).	0.6	\$ 275.00	\$ 165.00
Gaurav Thapan-Raina	06/13/19	(.5) Drafted an email to C. Moreland (PG&E) updating her on activities accomplished during the week, current status of communication with external and internal stakeholders, the data analysis process and potential risk items to focus attention on	0.5	\$ 400.00	\$ 200.00
Gaurav Thapan-Raina	06/13/19	(.5) Meeting with C. Moreland (PG&E), J. White (KPMG) to discuss preliminary insights on tree species failure by region and discuss action items for the next several weeks for generating additional output that could pinpoint vegetation-related causes of tree hazards	0.5	\$ 400.00	\$ 200.00
David Ross	06/13/19	.5 Draft / finalize status update as of 6/13 to provide to PG&E leadership	0.5	\$ 400.00	\$ 200.00

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Name	Date	Description	Hours	Rate	Amount
Gaurav Thapan-Raina	06/13/19	Meeting with external stakeholders S. Brayton, I. Laman(UC Davis), M. Frauenheim, (PG&E), M. Broida (KPMG) to provide update on preliminary analysis results of tree hazard study and obtain external inputs on other features to include in the analysis (i.e., meteorological – wind speeds, temperature, precipitation, etc.) as well as references to additional data sources to incorporate into the modeling effort	0.5	\$ 400.00	\$ 200.00
Gaurav Thapan-Raina	06/13/19	Meeting with M. Broida, D. Ross (KPMG) to discuss outcomes of the meeting with the external stakeholders with special focus on leveraging weather/meteorological data into the analysis; discussed current approaches to collecting weather station data from PG&E stakeholders	0.5	\$ 400.00	\$ 200.00
Matt Broida	06/13/19	(.4) Final review of PG&E Procedure_EC Tag Scoring_20190613_CTW.DOCX for EC Tag Scoring from C. Whitten (KPMG) and (.1) provided to Task 2 for PG&E review.	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/13/19	(.5) Met to align on coming week and provide support to PG&E with D. Ross, B. Wei, G. Thapan-Raina (KPMG).	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/13/19	(.5) Discussion on data inputs and analysis between vegetation management analysis and Distribution model with D. Ross, G. Thapan-Raina (KPMG).	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/13/19	(.5) EC tag optimization bi-weekly meeting (6/13/19) with J.C. Matheson, P. McCabe (PG&E), and D. Cha (KPMG).	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/13/19	(.5) PG&E Vegetation Management Study - Follow Up to receive feedback from external stakeholders with K. Loomis, M. Frauenheim (PG&E), S. Brayton, and I. Lacan (both UC Davis).	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/13/19	(.5) Vegetation Study Initial Update, as of 06/13/19, with S. Singh, C. Moreland (PG&E), J. White, G. Thapan-Raina (KPMG).	0.5	\$ 435.00	\$ 217.50
Jonathan White	06/13/19	Distribution asset probability model 06/13/19 status meeting with S. Adderly (PG&E), D. Ross, M. Xu (KPMG). (0.5)	0.5	\$ 475.00	\$ 237.50
Jonathan White	06/13/19	Vegetation Study review with S. Sumeet, C. Moreland (VP - PG&E) G. Thapan-Raina, M. Broida (KPMG). (0.5)	0.5	\$ 475.00	\$ 237.50
Brian Wei	06/13/19	Documented list of data sources as of 6/13 within the data log (0.9).	0.9	\$ 275.00	\$ 247.50
Brian Wei	06/13/19	Begin workflow to map weather station data to outage data (1.0).	1.0	\$ 275.00	\$ 275.00
David Ross	06/13/19	.4 Call with S. Adderly (PG&E) to discuss distribution risk model and concerns with meteorology data; .3 Meeting with B. Wei, L. Cai, M. Broida (KPMG) to discuss workload distributions of resources for PG&E	0.7	\$ 400.00	\$ 280.00
Marcus Xu	06/13/19	Expanded the Alteryx workflow to further segment the outage data in the weather data mapping process. (1.0)	1.0	\$ 325.00	\$ 325.00

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PG&E Corporation and PG&E Company, et.al.

Case No. 19-30088

Asset Management Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Rate	Amount
Tia Mason	06/13/19	Meeting with S. Singh, C. Moreland (PG&E), M. Broida, G. Thapan-Raina, J. White (KPMG) regarding the latest updates from the vegetation model for PG&E.	1.0	\$ 325.00	\$ 325.00
Brian Wei	06/13/19	Analyzed the updated list of poles to protection zones to determine best way to connect to asset level data for the risk reduction model (1.5).	1.5	\$ 275.00	\$ 412.50
Brian Wei	06/13/19	Assess weather station data to determine what pieces of data to include into risk reduction model (1.5).	1.5	\$ 275.00	\$ 412.50
Cy Whitten	06/13/19	1.2 reviewed EC tag prioritization procedure and concurrently updated process flow with revised steps based on Matt Broida's updates; 0.1 sent updated EC tag prioritization procedure to Matt Broida for director review	1.3	\$ 325.00	\$ 422.50
Gaurav Thapan-Raina	06/13/19	Drafted talking points in preparation for meeting with S. Singh, C. Moreland (PG&E), reviewing key messages of the presentation and double-checked analysis output results	1.1	\$ 400.00	\$ 440.00
Gaurav Thapan-Raina	06/13/19	Conducted a correlation analyses on a new dataset provided by (PG&E) to determine the relationship between conductor splices and outages; time also included pre-processing the data and filtering out vegetation-related causes	1.1	\$ 400.00	\$ 440.00
Marcus Xu	06/13/19	Review the weather station data, concurrently performing initial round of analysis on the potential input variables. (1.5)	1.5	\$ 325.00	\$ 487.50
Tia Mason	06/13/19	Populating slides for the data that has been cut by region level in the Alteryx vegetation workflow for PG&E.	1.6	\$ 325.00	\$ 520.00
Brian Wei	06/13/19	Run new set of 21 circuits for engineering reviews (2.0).	2.0	\$ 275.00	\$ 550.00
Lucy Cai	06/13/19	(2.0) Bundled pending notifications for repair for transmission structures by location / type of work performed and (.1) providing cluster numbers to PG&E.	2.1	\$ 275.00	\$ 577.50
David Ross	06/13/19	1.5 Manager review of mitigations portion of distribution risk model prior to demonstration to PG&E	1.5	\$ 400.00	\$ 600.00
Marcus Xu	06/13/19	Analyzed the correlation between outage / the weather data. (2.0)	2.0	\$ 325.00	\$ 650.00
Tia Mason	06/13/19	Refined slides for the Alteryx vegetation workflow for the upcoming client meeting with PG&E.	2.0	\$ 325.00	\$ 650.00
Lucy Cai	06/13/19	Excluded all HFTD distribution poles from population / compared the remaining to previous populations of distribution poles to determine where there are variances in mapping HFTD through equipment number.	2.5	\$ 275.00	\$ 687.50
Lucy Cai	06/13/19	(2.7) Utilized KMZ file provided by PG&E to convert to SHP file in order to map tier 1 zone 1 distribution poles to the correct zone.	2.7	\$ 275.00	\$ 742.50
Marcus Xu	06/13/19	Developed Alteryx workflow to map the outage data to the weather station. (3.0)	3.0	\$ 325.00	\$ 975.00

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Asset Management Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Rate	Amount
Matt Broida	06/13/19	(2.2) Revision to PG&E Procedure_EC Tag Scoring_20190613 mcb revisions.docx to finalize EC Tag Review procedure with assistance from B. Wei (KPMG) and (.1) provided to C. Whitten (KPMG) for final revisions.	2.3	\$ 435.00	\$ 1,000.50
Tia Mason	06/13/19	Continued, as of 06/13/19, cutting the rest of the data at a region level view in Alteryx for vegetation for PG&E.	3.4	\$ 325.00	\$ 1,105.00
David Ross	06/13/19	Updated scope/ methodology document for distribution risk model to reflect current status as of 6/13 for PG&E	2.9	\$ 400.00	\$ 1,160.00
Gaurav Thapan-Raina	06/13/19	Re-ran logistic regression analyses based on a revised/preprocessed dataset to determine any changes (the regression was re-run multiple times based on numerous iterations on feature inclusion) analyses also included step-wise regressions to test the explanatory power of individual features and identifying combinations of features that could increase predictive accuracy	3.9	\$ 400.00	\$ 1,560.00
Cy Whitten	06/14/19	Draft email to B. Wong (PG&E) regarding the updated risk dashboard mockup.	0.1	\$ 325.00	\$ 32.50
Cy Whitten	06/14/19	Draft email with asset failure mode document to P. Mackey (PG&E) noting updates.	0.1	\$ 325.00	\$ 32.50
Cy Whitten	06/14/19	Draft email with QBR risk template to P. Mackey (PG&E) noting updates.	0.1	\$ 325.00	\$ 32.50
Gustavo Garcia	06/14/19	Communication with R. Tucker, S. Stoddard, D. Cha and J. Weng regarding Task to updates.	0.3	\$ 275.00	\$ 82.50
Adrian Irwin	06/14/19	Call with B. Wong (PG&E) to set priorities for the next steps of the web app development process.	0.3	\$ 325.00	\$ 97.50
Adrian Irwin	06/14/19	Incorporate '+' button to create project view.	0.4	\$ 325.00	\$ 130.00
Dennis Cha	06/14/19	Attended AMS Task 2 bi-weekly internal call with R. Tucker, S. Stoddard, J. Weng, and G. Garcia (KPMG) to discuss progress updates and next steps for the next 2 weeks	0.5	\$ 275.00	\$ 137.50
Gustavo Garcia	06/14/19	Incorporate close-out slide to POL presentation per C. Wong's (PG&E) request.	0.5	\$ 275.00	\$ 137.50
Cole Gallagher	06/14/19	Per client request, attend Task 3 status call with B. Wong, Y. Oum, S. Jayaraman (PG&E), C. Gallagher, T. Schenk, M. Ehrhardt, K. McNamara (KPMG).	0.5	\$ 325.00	\$ 162.50
Cy Whitten	06/14/19	Call with R. Squalli Houssaini (KPMG) to review program management plans for Sub Task 1 of Task 3.	0.5	\$ 325.00	\$ 162.50
Jason Weng	06/14/19	Call led by S. Lewis to review current status of May Business Process review meeting material.(0.5)	0.5	\$ 325.00	\$ 162.50
Cy Whitten	06/14/19	Call with K. McNamara (KPMG) to discuss status of Task 3 bowties and Task 1 documentation.	0.5	\$ 325.00	\$ 162.50

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Asset Management Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Rate	Amount
Jason Weng	06/14/19	Call with Task 2 team to plan / coordinate next steps as of 6/14 to remain aligned with client priorities.(0.5)	0.5	\$ 325.00	\$ 162.50
Cole Gallagher	06/14/19	Data scoping call with C. Gallagher (KPMG) to determine what will be the final data output and what will be the overall inputs to the tables / Tableau Dashboards.	0.5	\$ 325.00	\$ 162.50
Cy Whitten	06/14/19	Meeting with P. Mackey (PG&E) to discuss updates needed for asset failure mode document	0.5	\$ 325.00	\$ 162.50
Cy Whitten	06/14/19	Review the 2017 RAMP filing to validate distribution outage frequency numbers.	0.5	\$ 325.00	\$ 162.50
Cy Whitten	06/14/19	Update, as of 06/14/19, the asset failure mode document based on comments from P. Mackey (PG&E).	0.5	\$ 325.00	\$ 162.50
Dennis Cha	06/14/19	Began drafting / migrating workflow of EC tag Optimization process from Alteryx to Python Jupyter Notebook in order to capture the complex computation of tag execution forecast with resource availability constraints.	0.6	\$ 275.00	\$ 165.00
Dennis Cha	06/14/19	Updated EC Optimization program weekly status report based on comments from J.C. Mathieson and M. Esguerra (PG&E) on slides 2 / 7 (.5) and re-submitted for review / issuance (.1).	0.6	\$ 275.00	\$ 165.00
Preston Devaney	06/14/19	Sprint review with analytics development team of C. Gallagher and T. Schenk (KPMG) to note status, deadlines and outstanding items as of 06/14/19.	0.6	\$ 275.00	\$ 165.00
Kyle McNamara	06/14/19	Finalize weekly status report (.3) and send to A. Mani (KPMG) for partner review (.1).	0.4	\$ 435.00	\$ 174.00
Cy Whitten	06/14/19	Attend 6/14 meeting led by K. McNamara with R. Squalli Houssaini, J. White, T. Schenk, D. Elmlad (KPMG) to review and address program status, schedules, issues, risks.	0.6	\$ 325.00	\$ 195.00
Jason Weng	06/14/19	Attended daily EC Tag assignment call led by G. Race (PG&E) and Internal Estimating & Design supervisor team providing support for use of Tableau dashboard and any additional ad hoc reports required.	0.6	\$ 325.00	\$ 195.00
Adrian Irwin	06/14/19	Finalize Task 3 pre-demo layout items.	0.6	\$ 325.00	\$ 195.00
Cole Gallagher	06/14/19	Sprint review with analytics development team of T. Schenk and P. Devaney (KPMG) to note status, deadlines and outstanding items as of 06/14/19.	0.6	\$ 325.00	\$ 195.00
Rita Squalli Houssaini	06/14/19	Call with C. Whitten (KPMG) to review program management plans for Sub Task 1 of Task 3.	0.5	\$ 400.00	\$ 200.00
Rita Squalli Houssaini	06/14/19	Communication with K. Caron (KPMG) regarding program management plans for Sub Task 1 of Task 3.	0.5	\$ 400.00	\$ 200.00
Rita Squalli Houssaini	06/14/19	Per client request, attend Task 3 status call with B. Wong, Y. Oum, S. Jayaraman (PG&E), C. Gallagher, P. Devaney, T. Schenk, M. Ehrhardt (KPMG).	0.5	\$ 400.00	\$ 200.00
Rita Squalli Houssaini	06/14/19	Call with K. McNamara (KPMG) to discuss support required for Task 4.	0.5	\$ 400.00	\$ 200.00
Phillip Prombo	06/14/19	Communication via email with D. Gallo (KPMG) regarding preparation for next week when the final data model is delivered to us / the analytics team.	0.5	\$ 400.00	\$ 200.00

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Name	Date	Description	Hours	Rate	Amount
Phillip Prombo	06/14/19	Data scoping call with P. Prombo (KPMG) to determine what will be the final data output and what will be the overall inputs to the tables / Tableau Dashboards.	0.5	\$ 400.00	\$ 200.00
Tom Schenk	06/14/19	Attend status meeting led by K. McNamara (KPMG) with C. Whitten, J. White, T. Schenk, D. Elmlad (KPMG) to review and address program status, schedules, issues, risks. (partial attendance)	0.5	\$ 435.00	\$ 217.50
Tom Schenk	06/14/19	Per client request, attend Task 3 status call with B. Wong, Y. Oum, S. Jayaraman (PG&E), C. Gallagher, T. Schenk, M. Ehrhardt, K. McNamara (KPMG).	0.5	\$ 435.00	\$ 217.50
Mark Ehrhardt	06/14/19	Per client request, attend Task 3 status call with B. Wong, Y. Oum, S. Jayaraman (PG&E), C. Gallagher, T. Schenk, M. Ehrhardt, K. McNamara (KPMG).	0.5	\$ 435.00	\$ 217.50
Kyle McNamara	06/14/19	Per client request, attend Task 3 status call with B. Wong, Y. Oum, S. Jayaraman (PG&E), C. Gallagher, T. Schenk, M. Ehrhardt, K. McNamara (KPMG).	0.5	\$ 435.00	\$ 217.50
Kyle McNamara	06/14/19	Call with R. Houssaini (KPMG) to discuss support required for Task 4.	0.5	\$ 435.00	\$ 217.50
Kyle McNamara	06/14/19	Call with C. Whitten (KPMG) to discuss status of Task 3 bowties and Task 1 documentation.	0.5	\$ 435.00	\$ 217.50
Scott Stoddard	06/14/19	Meeting regarding ECOP Duplicate Tag Review with H. Duncan, J.C. Mathieson (PG&E).	0.5	\$ 435.00	\$ 217.50
Mark Ehrhardt	06/14/19	Review, concurrently revising project status for Task 3 (.4) and communication with R. Squalli Houssaini (KPMG) regarding the same (.1).	0.5	\$ 435.00	\$ 217.50
Tom Schenk	06/14/19	Weekly sprint review with analytics development team of C. Gallagher, P. Devaney (KPMG) to note status, deadlines and outstanding items as of 06/14/19.	0.5	\$ 435.00	\$ 217.50
Gustavo Garcia	06/14/19	Extract POL inspection updates, concurrently reviewing for changes.	0.8	\$ 275.00	\$ 220.00
Adrian Irwin	06/14/19	Optimize icon .svg files, concurrently incorporating SVG icons to the sidebar nav as well as removing images.	0.7	\$ 325.00	\$ 227.50
Rita Squalli Houssaini	06/14/19	Attend 6/14 meeting led by K. McNamara (KPMG) with C. Whitten, J. White, T. Schenk, D. Elmlad (KPMG) to review and address program status, schedules, issues, risks.	0.6	\$ 400.00	\$ 240.00
Kyle McNamara	06/14/19	Attend 6/14 meeting led by K. McNamara (KPMG) with C. Whitten, J. White, T. Schenk, D. Elmlad (KPMG) to review and address program status, schedules, issues, risks.	0.6	\$ 435.00	\$ 261.00
Preston Devaney	06/14/19	Incorporate a risk spend efficiency class to the Python code that calculates the risk spend efficiency of the model.	1.0	\$ 275.00	\$ 275.00
Adrian Irwin	06/14/19	Finished wiring up risk creation / project creation. (.5) Incorporate disable / enable logic for input elements, concurrently navigating to the created project. (.4)	0.9	\$ 325.00	\$ 292.50
Gustavo Garcia	06/14/19	POL meeting with C. Wong (PG&E) to discuss close out process workflow.	1.1	\$ 275.00	\$ 302.50

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Asset Management Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Rate	Amount
Adrian Irwin	06/14/19	End of Sprint 2 web app UI demo with B. Wong (PG&E). (.5); Updates to views. (.5)	1.0	\$ 325.00	\$ 325.00
Cy Whitten	06/14/19	Meeting with P. Mackey (PG&E) to discuss updates needed to QBR Risk Template.	1.0	\$ 325.00	\$ 325.00
Cy Whitten	06/14/19	Update, as of 06/14/19, the QBR Risk Template based on comments from P. Mackey (PG&E).	1.0	\$ 325.00	\$ 325.00
Dennis Cha	06/14/19	Review, concurrently drafting new huddle call agenda with status update report template for operationalized structure of EC Optimization program based on discussion / request from J.C. Mathieson (PG&E).	1.2	\$ 275.00	\$ 330.00
Gustavo Garcia	06/14/19	Analyzed data received from J. Birch (PG&E) to incorporate into the POL tracker spreadsheet as of 06/14/19.	1.3	\$ 275.00	\$ 357.50
Preston Devaney	06/14/19	Updated the Object Oriented code to include a mitigation class that expands the functionality of the code.	1.4	\$ 275.00	\$ 385.00
Cy Whitten	06/14/19	Updated risk dashboard mockup based on feedback from B. Wong (PG&E) to update chart layout.	1.2	\$ 325.00	\$ 390.00
Gustavo Garcia	06/14/19	Updates, as of 06/14/19, to POL power point presentation in preparation for meeting with C. Wong (PG&E).	1.5	\$ 275.00	\$ 412.50
Adrian Irwin	06/14/19	Hotfix to remove log statement. (.7); Projects (and Sandbox) views completed.(.7)	1.4	\$ 325.00	\$ 455.00
Juan Gonzalez III	06/14/19	Meeting with J. White (KPMG) for Task 1 quality assurance review.	1.0	\$ 500.00	\$ 500.00
Adrian Irwin	06/14/19	Hotfix for PUT /run CORS issue. (.9), Incorporate created at date value to the runs.(.9)	1.8	\$ 325.00	\$ 585.00
Aldryn Estacio	06/14/19	Install apps in order to run the test environment of the current webapp build for the git osx installer / Python, nodejs / progress app download.	1.6	\$ 400.00	\$ 640.00
Cole Gallagher	06/14/19	Perform mitigated risk score validation between Python model / @risk model, concurrently aggregating outputs from both models to expose variances	2.0	\$ 325.00	\$ 650.00
Aldryn Estacio	06/14/19	Create / export out more icons such as new images for sign in screen / checkboxes / upload / download / notification / avatar for A. Irwin (KPMG) to use in the webapp development.	2.2	\$ 400.00	\$ 880.00
Jason Weng	06/14/19	Continue, as of 06/14/19, to update 'Can't Get In' reporting as requested by S. Cullings (PG&E) to current data (4 days).	2.8	\$ 325.00	\$ 910.00
Cole Gallagher	06/14/19	Perform baseline risk score validation between Python model / @risk model, concurrently aggregating outputs from both models to expose variances.	2.9	\$ 325.00	\$ 942.50

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Asset Management Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Rate	Amount
Daniel Elmlad	06/14/19	0.5 - Attend call with K. McNamara, R. Squalli (KPMG) to discuss support for Task 4. ; 0.5 - Attend status meeting led by K. McNamara (KPMG) with Account Lead Partner, Engagement Partner, and task leads to review and address program status, schedules, issues, and risks.	3.0	\$ 325.00	\$ 975.00
Mark Martin	06/14/19	2.0 - Continue, as of 6/14 to review rebuttal documentation along with prior testimony to prepare to develop rebuttal testimony for PG&E Update, as of 06/14/19, the Project View by incorporating references to the back end services in the JavaScript code.	2.5	\$ 400.00	\$ 1,000.00
Aldryn Estacio	06/14/19	Address a few older comments in the Invisionapp notification section regarding the consistency of table headers / form fields by updating same.	2.7	\$ 400.00	\$ 1,080.00
Carlo Toribio	06/14/19	Polishing Dashboard view for demo by updating the pixel details.	3.7	\$ 325.00	\$ 1,202.50
Mark Martin	06/14/19	Perform testing of the data transfer implementation.	3.1	\$ 400.00	\$ 1,240.00
Carlo Toribio	06/14/19	Implementing services on Dashboard view by transferring the Database to the Dashboard User interface.	3.9	\$ 325.00	\$ 1,267.50
Mark Martin	06/14/19	Continue, as of 06/13/19, to create the JavaScript / HTML pages that create the Project View for PG&E App.	3.7	\$ 400.00	\$ 1,480.00
Matt Broida	06/14/19	(.3) Alignment meeting with B. Wei (KPMG) regarding data validation next steps with HFTD polygons, validation with K. Visram (PG&E).	0.3	\$ 435.00	\$ 130.50
Matt Broida	06/14/19	(.3) Review of California weather history at http://ipm.ucanr.edu/WEATHER/wxactstnames.html for possible inclusion into regression and other modeling in place of PG&E weather stages due to limited data points.	0.3	\$ 435.00	\$ 130.50
Matt Broida	06/14/19	(.3) Draft email correspondence with C. Mooreland, M. Frauenheim (PG&E) regarding UC Merced external consultant.	0.3	\$ 435.00	\$ 130.50
Matt Broida	06/14/19	(.3) Next steps discussion regarding vegetation management with J. White (KPMG) to align on further segmentation to HFTD.	0.3	\$ 435.00	\$ 130.50
Brian Wei	06/14/19	Uploaded asset level data, as of 6/14, for S. Adderly and K. Visram (PG&E) (0.5).	0.5	\$ 275.00	\$ 137.50
David Ross	06/14/19	.4 Analyze University of California weather data for potential use in distribution risk model	0.4	\$ 400.00	\$ 160.00
Tia Mason	06/14/19	Meeting with G. Thapan-Raina (KPMG) regarding vegetation workflow for PG&E.	0.5	\$ 325.00	\$ 162.50
Marcus Xu	06/14/19	Per client request, participated in client check-in meeting with B. Wei, D. Ross (KPMG), S. Adderly (PG&E) regarding the modeling update. (0.5)	0.5	\$ 325.00	\$ 162.50
Marcus Xu	06/14/19	Per client request, participated in meeting to discuss the correlation between Outage data and Weather station data with D. Ross, M. Broida (KPMG). (0.5)	0.5	\$ 325.00	\$ 162.50

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Asset Management Services

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Name	Date	Description	Hours	Rate	Amount
Gaurav Thapan-Raina	06/14/19	(0.5) Meeting with M. Broida (KPMG) to discuss progress on follow-up presentation to PG&E Vegetation Management team members scheduled for Monday, June 17, 2019 to discuss the second-level analysis described earlier and priorities for the week of June 17	0.5	\$ 400.00	\$ 200.00
Gaurav Thapan-Raina	06/14/19	(0.5) Met with M. Broida (KPMG) to review analysis, presentation outputs and discuss refinements	0.5	\$ 400.00	\$ 200.00
David Ross	06/14/19	.5 Call with S. Adderly (KPMG), B. Wei, M. Xu (KPMG) to discuss challenges with plotting risk scores in Geospatial Information System environment.	0.5	\$ 400.00	\$ 200.00
Matt Broida	06/14/19	(.5) Discussion with D. Ross (KPMG) regarding OH Dx model status, planning for next week and coverage by B. Wei and M. Xu (KPMG).	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/14/19	(.5) Planning for vegetation management final data analysis / tree assessment incorporation with G. Thapan-Raina (KPMG).	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/14/19	(.5) Review of https://ucanr.edu/sites/treefail/Species_Profiles/Branch_failures_by_month/ Western Tree Failure Report for points of incorporation with vegetation study.	0.5	\$ 435.00	\$ 217.50
Jonathan White	06/14/19	Attend 06/14/19 status meeting led by K. McNamara (KPMG) with A. Mani, S. Stoddard, J. Gonzalez, D. Elmlblad (KPMG) to review and address program status, schedules, issues, risks as of 06/14/19. (0.5)	0.5	\$ 475.00	\$ 237.50
David Ross	06/14/19	.6 Finalize updates to distribution risk model scope document prior to sending to PG&E leadership for review	0.6	\$ 400.00	\$ 240.00
Brian Wei	06/14/19	Add global ID to the asset level data for the risk reduction model (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/14/19	Analyzed CPUC shape files of HFTD tier 2 and tier 3 zones to assess pole data (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/14/19	Update list of sources used, as of 6/14, for the risk reduction model (1.0).	1.0	\$ 275.00	\$ 275.00
Matt Broida	06/14/19	(.4) Perform review of 20 circuit files from B. Wei (KPMG), (.2) communication with J. McMillan-Wilhoit (KPMG) to have visualization files constructed for PG&E on Monday, and (.1) sent to P. McCabe (PG&E).	0.7	\$ 435.00	\$ 304.50
Cy Whitten	06/14/19	0.1 drafted agenda for meeting with resource option to complete procedure 2 document	1.0	\$ 325.00	\$ 325.00
Gaurav Thapan-Raina	06/14/19	Meeting with K. Loomis (PG&E) and M. Broida (KPMG) to discuss potential changes to the PG&E Tree Assessment Tool (TAT) and how results from ongoing exploratory data analysis at the regional level can be incorporated into the tool.	1.0	\$ 400.00	\$ 400.00
Brian Wei	06/14/19	Analyze shape file of zone 1 data to assess pole data (1.5).	1.5	\$ 275.00	\$ 412.50
Brian Wei	06/14/19	Update asset level data with weighted risk score (1.5).	1.5	\$ 275.00	\$ 412.50

EXHIBIT C1

PG&E Corporation and PG&E Company, et.al.

Case No. 19-30088

Asset Management Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Rate	Amount
Brian Wei	06/14/19	Utilized K. Visram's (PG&E) updated list of poles to protection zones determining how to map to assets (1.5).	1.5	\$ 275.00	\$ 412.50
David Ross	06/14/19	Call with M. Xu, B. Wei (KPMG) to discuss correlation between weather station data file and outage data file provided by PG&E	1.1	\$ 400.00	\$ 440.00
Matt Broida	06/14/19	(1.3) Tree Assessment Tool Discussion with K. Loomis (PG&E) and G. Thapan-Raina (KPMG) to further review PG&E tree assessment model draft.	1.3	\$ 435.00	\$ 565.50
Marcus Xu	06/14/19	Continue, as of 06/14/19, updating the mitigation module in the existing Alteryx workflow (2.0)	2.0	\$ 325.00	\$ 650.00
Marcus Xu	06/14/19	Update the Alteryx modeling workflow, as of 6/14, to include the latest Pole data provided by PG&E. (2.0)	2.0	\$ 325.00	\$ 650.00
David Ross	06/14/19	Analyze meteorology data files provided by PG&E focusing on how to incorporate into distribution risk model.	1.7	\$ 400.00	\$ 680.00
David Ross	06/14/19	Manager review of meteorology analysis to determine correlation between weather station data file and outage data file provided by PG&E	1.7	\$ 400.00	\$ 680.00
Jonathan White	06/14/19	Task 1 quality assurance review with J. Gonzalez (KPMG Reviewing Partner).	1.5	\$ 475.00	\$ 712.50
Lucy Cai	06/14/19	(2.6) Ran vegetation management workflows that combine outage / GNT data in order to analyze the number of GNTs compared to outages from 2016-2018.	2.6	\$ 275.00	\$ 715.00
Marcus Xu	06/14/19	Developed Alteryx workflows to expand the probability metrics calculation into the region level. (3.0)	3.0	\$ 325.00	\$ 975.00
Lucy Cai	06/14/19	(3.6) Isolated all distribution poles that have null longitude / latitude fields into a separate workflow to provide to the client for clarification.	3.6	\$ 275.00	\$ 990.00
Gaurav Thapan-Raina	06/14/19	(2.6) Prepared preliminary proposal on incorporating deep learning technology (neural network algorithms) to create an operating model that could be used by the PG&E Vegetation Management team to track tree health and determine tree risk profiles in real time.	2.6	\$ 400.00	\$ 1,040.00
Tia Mason	06/14/19	Updated slides, as of 6/14, for the Alteryx vegetation workflow for PG&E with additional information collected.	3.7	\$ 325.00	\$ 1,202.50
Tia Mason	06/14/19	Finished segregating the rest of the data at a region level view in Alteryx for vegetation for PG&E.	3.8	\$ 325.00	\$ 1,235.00
Gaurav Thapan-Raina	06/14/19	(3.8) Reviewed / consolidated analysis on tree species failure causes by region focusing on features not previously assessed as part of the initial exploratory data analysis; the analysis focused on identifying correlations between instances of wire conductors falling to the ground and tree failure in addition to soil conditions, terrain features, tree health and extent of tree lean towards distribution assets	3.8	\$ 400.00	\$ 1,520.00

EXHIBIT C1

PG&E Corporation and PG&E Company, et.al.

Case No. 19-30088

Asset Management Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Rate	Amount
Gustavo Garcia	06/16/19	Developed preliminary draft of the pole integrity procedure.	2.1	\$ 275.00	\$ 577.50
Tom Schenk	06/16/19	Preparation for weekly tasks: Organize JIRA tasks (.7), reviewed project plan from 2019-06-07 meeting to align tasks going forward (.8).	1.5	\$ 435.00	\$ 652.50
Cole Gallagher	06/16/19	Perform model validation on updates risk scores utilizing different weights for Transmission / Distribution-Farm Tap models to be consistent with @RISK model outputs.	3.0	\$ 325.00	\$ 975.00
Gaurav Thapan-Raina	06/16/19	(1.1) Verified validity of analysis results with documentation from interviews with PG&E Vegetation Management specialists.	1.1	\$ 400.00	\$ 440.00
Gaurav Thapan-Raina	06/16/19	(3.9) Prepared in-depth analyses of tree species failure causes by region by preparing data cuts around primary causes of failure by individual tree species for top ten species by region, soil conditions reported at the time of the incident, terrain features, tree lean, tree health and wire down observations; formatted the PowerPoint presentation in anticipation of the PG&E Vegetation Management stakeholder meeting scheduled for Monday June 17 and identified key insights by region to incorporate into the presentation.	3.9	\$ 400.00	\$ 1,560.00
Cy Whitten	06/17/19	Draft email to K. McNamara (KPMG) requesting updated budget tracking workbook to track against engagement progress as of 06/17/19.	0.1	\$ 325.00	\$ 32.50
Cy Whitten	06/17/19	Draft email to M. Broida (KPMG) regarding the updated budget tracking workbook to track against engagement progress as of 06/17/19.	0.1	\$ 325.00	\$ 32.50
Cy Whitten	06/17/19	Draft email to R. Squalli Houssaini (KPMG) with contact information to expedite the process to obtain access to the PG&E share site.	0.1	\$ 325.00	\$ 32.50
Kyle McNamara	06/17/19	Draft email to D. Mahe-Torres (PG&E) to expedite team's access to PG&E systems so that they can finalize the user interface development.	0.1	\$ 435.00	\$ 43.50
Cole Gallagher	06/17/19	Distribute validation code to PG&E / KPMG team with documentation, concurrently ensuring that previously identified open items are accounted for.	0.2	\$ 325.00	\$ 65.00
Cy Whitten	06/17/19	Draft / respond to email with B. Wong (PG&E) to plan in person working session to cover RAMP calculation.	0.2	\$ 325.00	\$ 65.00
Cy Whitten	06/17/19	Review the status report to monitor progress against deliverable dates.	0.2	\$ 325.00	\$ 65.00
Cole Gallagher	06/17/19	Review, concurrently ensuring consistent formatting on validation results to improve readability.	0.2	\$ 325.00	\$ 65.00
Phillip Prombo	06/17/19	Setup Tableau Desktop for A. Irwin (KPMG) to test the security features of the data connection / model	0.2	\$ 400.00	\$ 80.00
Preston Devaney	06/17/19	Attend 6/17 Sprint call with C. Gallagher, R. Squalli Houssaini, T. Schenk (KPMG) to discuss upcoming weekly development efforts.	0.3	\$ 275.00	\$ 82.50

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Asset Management Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Rate	Amount
Kyle McNamara	06/17/19	Conduct director review of documentation from R. Squalli Houssaini (KPMG) from Task 3 status meeting.	0.2	\$ 435.00	\$ 87.00
Tom Schenk	06/17/19	Attend PG&E client check-in call with B. Wong, Y. Oum, V. Loh (PG&E) to discuss project status, as of 06/17/19, upcoming code review.	0.2	\$ 435.00	\$ 87.00
Kyle McNamara	06/17/19	Send guidance to C. Whitten and R. Squalli Houssaini (KPMG) regarding Task 1 deliverable review meeting scheduled for Wednesday.	0.2	\$ 435.00	\$ 87.00
Cole Gallagher	06/17/19	Attend 6/17 Sprint call with P. Devaney, R. Squalli Houssaini, T. Schenk (KPMG) to discuss upcoming weekly development efforts.	0.3	\$ 325.00	\$ 97.50
Cy Whitten	06/17/19	Draft email to D. Pant (PG&E) requesting insight on the System Average Interruption Duration Index (SAIDI).	0.3	\$ 325.00	\$ 97.50
Cy Whitten	06/17/19	Draft email with status update to R. Squalli Houssaini (KPMG) for her to track bowtie progress against projected.	0.3	\$ 325.00	\$ 97.50
Preston Devaney	06/17/19	Call with C. Gallagher (KPMG) to discuss object-oriented code structure and class/subclass structure.	0.4	\$ 275.00	\$ 110.00
Rita Squalli Houssaini	06/17/19	Attend 6/17 Sprint call with P. Devaney, C. Gallagher, T. Schenk (KPMG) to discuss upcoming weekly development efforts.	0.3	\$ 400.00	\$ 120.00
Cole Gallagher	06/17/19	Call with P. Devaney (KPMG) to discuss object-oriented code structure and class/subclass structure.	0.4	\$ 325.00	\$ 130.00
Cy Whitten	06/17/19	Draft email to R. Squalli Houssaini (KPMG) with the workpapers progress tracker / outstanding items needed to obtain from the task leads.	0.4	\$ 325.00	\$ 130.00
Cole Gallagher	06/17/19	Prepare environmental output analysis for PG&E team to review for possible change in distribution for modeling environmental consequences.	0.4	\$ 325.00	\$ 130.00
Cole Gallagher	06/17/19	Review most up-to-date OOP code in preparation with planning call with P. Devaney (KPMG).	0.4	\$ 325.00	\$ 130.00
Tom Schenk	06/17/19	Attend 6/17 Sprint call with P. Devaney, C. Gallagher, R. Squalli Houssaini (KPMG) to discuss upcoming weekly development efforts.	0.3	\$ 435.00	\$ 130.50
Preston Devaney	06/17/19	Attend PG&E client check-in call with C. Gallagher, P. Devaney, T. Schenk (KPMG) and B. Wong, Y. Oum, V. Loh (PG&E) to discuss project status, as of 06/17/19, upcoming code review.	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/17/19	Analyze volume / mapping on pole equipment ID / protection zone utilizing Alteryx, concurrently reviewing the output.	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/17/19	Discussion and review of action items for the week with J.C. Mathieson (PG&E).	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/17/19	Discussion regarding format and contents of B&V review tracker with G. Chatha (B&V) for purposes of weekly reporting.	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/17/19	Discussion regarding progress updates on B&V tag review / output and next steps with J.C. Mathieson, P. McCabe (PG&E), G. Chatha (B&V).	0.5	\$ 275.00	\$ 137.50

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June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Rate	Amount
Preston Devaney	06/17/19	Meeting with C. Gallagher and R. Squalli Houssaini (KPMG) to discuss Sub Task 2 project plan review and status as of 06/17/19.	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/17/19	Meeting with C. Nguyen (PG&E) and S. Stoddard (KPMG) to review progress on duplicate tag work-down for existing EC tags and align on the scope and volume of duplicate tags.	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/17/19	Prepared for duplicate tag review meeting today by analyzing scope and volume of tags and summarizing in an email to H. Duncan and C. Nguyen (PG&E)	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/17/19	Reviewed B&V review tracker with G. Chatha (B&V) for contents and format for weekly reporting.	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/17/19	Summarized last week's status update report with action items (.3) and followed-up with P. McCabe and J. Birch (PG&E EC Optimization Program Workstream Owners) for the reminder on this week's updates (.2).	0.5	\$ 275.00	\$ 137.50
Adrian Irwin	06/17/19	Discuss outstanding items / status as of 06/17/19 with M. Martin and C. Toribio (KPMG) with respect to web application development.	0.5	\$ 325.00	\$ 162.50
Cole Gallagher	06/17/19	Per client request, attend Task 3 status call with B. Wong, D. Pant (PG&E), M. Ehrhardt, A. Irwin, T. Schenk, P. Devaney (KPMG) to provide the current overview of task 3 status.	0.5	\$ 325.00	\$ 162.50
Adrian Irwin	06/17/19	Per client request, attend Task 3 status call with B. Wong, D. Pant (PG&E), M. Ehrhardt, T. Schenk, C. Gallagher, P. Devaney (KPMG) to provide the current overview of task 3 status.	0.5	\$ 325.00	\$ 162.50
Cole Gallagher	06/17/19	Attend PG&E client check-in call with C. Gallagher, P. Devaney, T. Schenk (KPMG) and B. Wong, Y. Oum, V. Loh (PG&E) to discuss project status, as of 06/17/19, upcoming code review.	0.5	\$ 325.00	\$ 162.50
Cy Whitten	06/17/19	Attended meeting with B. Wong (PG&E), K. McNamara, R. Squalli, C. Whitten (KPMG) to review Task 3 status and work plan.	0.5	\$ 325.00	\$ 162.50
Cole Gallagher	06/17/19	Meeting with R. Squalli Houssaini and P. Devaney (KPMG) to discuss Sub Task 2 project plan review and status as of 06/17/19.	0.5	\$ 325.00	\$ 162.50
Dom Gallo	06/17/19	Verifying Tableau can connect to JSON over URL.	0.5	\$ 325.00	\$ 162.50
Carlo Toribio	06/17/19	Discuss outstanding items / status as of 06/17/19 with A. Irwin and M. Martin (KPMG) with respect to web application development.	0.5	\$ 325.00	\$ 162.50
Kyle McNamara	06/17/19	Prepare weekly update to project team with assignments as of 06/17/19.	0.4	\$ 435.00	\$ 174.00
Jason Weng	06/17/19	Attended daily EC Tag assignment call led by G. Race (PG&E) and Internal Estimating & Design supervisor team providing supported use of Tableau dashboard and any additional ad hoc reports required.	0.6	\$ 325.00	\$ 195.00

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PG&E Corporation and PG&E Company, et.al.

Case No. 19-30088

Asset Management Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Rate	Amount
Cole Gallagher	06/17/19	Identify, concurrently outlining opportunities to move global functions in main.py file under classes in other py files to improve readability / code structure.	0.6	\$ 325.00	\$ 195.00
Mark Martin	06/17/19	Discuss outstanding items / status as of 06/17/19 with A. Irwin and C. Toribio (KPMG) with respect to web application development.	0.5	\$ 400.00	\$ 200.00
Rita Squalli Houssaini	06/17/19	Attended meeting with B. Wong (PG&E), K. McNamara, R. Squalli, C. Whitten (KPMG) to review Task 3 status and work plan.	0.5	\$ 400.00	\$ 200.00
Rita Squalli Houssaini	06/17/19	Meeting with C. Gallagher and P. Devaney (KPMG) to discuss Sub Task 2 project plan review and status as of 06/17/19.	0.5	\$ 400.00	\$ 200.00
Rita Squalli Houssaini	06/17/19	Prepare for 06/17/19 Task 3 status meeting by reviewing the detailed plan along with current status of all items in Task 3.	0.5	\$ 400.00	\$ 200.00
Phillip Prombo	06/17/19	Draft / respond to email with D. Gallo and A. Irwin (KPMG) regarding the status of the data model.	0.5	\$ 400.00	\$ 200.00
Mark Ehrhardt	06/17/19	Per client request, attend Task 3 status call with B. Wong, D. Pant (PG&E), A. Irwin, T. Schenk, C. Gallagher, P. Devaney (KPMG) to provide the current overview of task 3 status.	0.5	\$ 435.00	\$ 217.50
Tom Schenk	06/17/19	Per client request, attend Task 3 status call with B. Wong, D. Pant (PG&E), M. Ehrhardt, A. Irwin, C. Gallagher, P. Devaney (KPMG) to provide the current overview of task 3 status.	0.5	\$ 435.00	\$ 217.50
Kyle McNamara	06/17/19	Attended meeting with B. Wong (PG&E), K. McNamara, R. Squalli, C. Whitten (KPMG) to review Task 3 status and work plan.	0.5	\$ 435.00	\$ 217.50
Scott Stoddard	06/17/19	ECOP Duplicate Tag Review	0.5	\$ 435.00	\$ 217.50
Jason Weng	06/17/19	Updated new CGI (Can't Get In) from 6/17 into Pole Inspections Remaining report (.7) and issued to KPMG team for review (.1).	0.8	\$ 325.00	\$ 260.00
Kyle McNamara	06/17/19	Director review of project financials with prior week's actuals.	0.6	\$ 435.00	\$ 261.00
Dennis Cha	06/17/19	Continue, as of 06/17/19, developing operationalized status update template slide 1 focusing on tracking metrics.	1.0	\$ 275.00	\$ 275.00
Gustavo Garcia	06/17/19	Meeting with S. Stoddard (KPMG) to review progress, as of 6/17, made on pole integrity procedure.	1.0	\$ 275.00	\$ 275.00
Dennis Cha	06/17/19	Update, as of 06/17/19, the duplicate tag analysis process / results based on the duplicate tag meeting with C. Nguyen (PG&E) and S. Stoddard (KPMG).	1.0	\$ 275.00	\$ 275.00
Rita Squalli Houssaini	06/17/19	Review emails from C. Whitten (KPMG) to gain insight into B. Wong's (PG&E) open items / areas of focus, concurrently confirming PG&E contacts who will sign off on Task 3 deliverables.	0.7	\$ 400.00	\$ 280.00
Jason Weng	06/17/19	Attended AMS Distribution Line of Business Support Update online meeting led by J. Nimick (PG&E) to gain insight into priorities, issues, and needs of program.	1.0	\$ 325.00	\$ 325.00

EXHIBIT C1

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Case No. 19-30088

Asset Management Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Rate	Amount
Cole Gallagher	06/17/19	Finalize validation results in preparation for distribution to PG&E team.	1.0	\$ 325.00	\$ 325.00
Daniel Elmlad	06/17/19	1.0 - Continue, as of 6/17, review of prior testimony to prepare to develop rebuttal testimony for PG&E	1.0	\$ 325.00	\$ 325.00
Gustavo Garcia	06/17/19	Draft detail email to R. Papa and A. Samayamanthula (PG&E) with EC Tag Data and Pole Test & Treat data request.	1.2	\$ 275.00	\$ 330.00
Rita Squalli Houssaini	06/17/19	Review detailed project plan for all Task 3 items in preparation for meeting with C. Gallagher and P. Devaney (KPMG).	1.0	\$ 400.00	\$ 400.00
Rita Squalli Houssaini	06/17/19	Updated detailed project plan for Sub Task 2 of task 3 in preparation for meeting with C. Gallagher and P. Devaney (KPMG).	1.0	\$ 400.00	\$ 400.00
Mark Martin	06/17/19	Analysis with A. Estacio (KPMG) to diagnose the errors encountered during a terminal run.	1.0	\$ 400.00	\$ 400.00
Aldryn Estacio	06/17/19	Analysis with M. Martin (KPMG) to diagnose the errors encountered during a terminal run.	1.0	\$ 400.00	\$ 400.00
Scott Stoddard	06/17/19	Meeting for B&V Status Update and Weekly Work plan Huddle with J.C. Mathieson, P. McCabe, B. Koelling, (PG&E), B. Tuffley, G. Chatha (both V&B).	1.0	\$ 435.00	\$ 435.00
Scott Stoddard	06/17/19	Meeting with G. Garcia (KPMG) to review progress, as of 6/17, made on pole integrity procedure.	1.0	\$ 435.00	\$ 435.00
Gustavo Garcia	06/17/19	Read CPUC GO-95 to note points to incorporate relationship into the pole integrity procedure.	1.6	\$ 275.00	\$ 440.00
Cy Whitten	06/17/19	Continue, from earlier in the day, meeting with B. Wong (PG&E) to discuss outcome updates in RAMP model.	1.5	\$ 325.00	\$ 487.50
Cole Gallagher	06/17/19	Incorporate changes necessary for updated model validation to OOP code from old procedural code.	1.5	\$ 325.00	\$ 487.50
Cy Whitten	06/17/19	Updated risk dashboard mockup based on feedback from B. Wong (PG&E) to update chart layout / driver layout (with reversed order). (0.5) Meeting with B. Wong (PG&E) to discuss driver updates in RAMP model. (1.0)	1.5	\$ 325.00	\$ 487.50
Preston Devaney	06/17/19	Updated the Python code to restructure the sampling class based on feedback from PG&E.	1.8	\$ 275.00	\$ 495.00
Mark Martin	06/17/19	Incorporate a feature to hide expansion caret in project data grid for items that do not have any associated runs utilizing JavaScript.	1.3	\$ 400.00	\$ 520.00
Jason Weng	06/17/19	Summarized information obtained from Informational Tag workshop (held on 6/12) as requested by J. Mathieson (PG&E).	1.6	\$ 325.00	\$ 520.00
Aldryn Estacio	06/17/19	Analysis regarding GIT set up / running but noting conflict with the installation.	1.4	\$ 400.00	\$ 560.00
Jason Weng	06/17/19	Validated previous data included in Poles Inspections Remaining report for accuracy.	1.8	\$ 325.00	\$ 585.00
Aldryn Estacio	06/17/19	Install software required to create the PG&E test environment (Docker / Node / Python).	1.5	\$ 400.00	\$ 600.00
Gustavo Garcia	06/17/19	Developed POL Tracker to include RAW data received from J. Birch (PG&E).	2.2	\$ 275.00	\$ 605.00

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Asset Management Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Rate	Amount
Dennis Cha	06/17/19	Drafted the analysis for EC Optimization tag review and execution Tier 2 / Tier 3 forecast per request by J.C. Mathieson (PG&E).	2.4	\$ 275.00	\$ 660.00
Mark Martin	06/17/19	Continue, from earlier in the day, to incorporate a feature to hide expansion caret in project data grid for items that do not have any associated runs utilizing JavaScript.	1.7	\$ 400.00	\$ 680.00
Mark Martin	06/17/19	Perform additional styling of the project data grid / the data grid expansion mini grids utilizing css / SASS (tools to help determine how visual assets are styled / positioned on screen).	1.7	\$ 400.00	\$ 680.00
Cole Gallagher	06/17/19	Move functions from main.py file under individual class files to improve readability / modular structure.	2.2	\$ 325.00	\$ 715.00
Jason Weng	06/17/19	Reconciled CGI (Can't Get In) Pole Inspections Remaining report with 6/17 list of pole inspections completed / outstanding pole inspections logs.	2.2	\$ 325.00	\$ 715.00
Carlo Toribio	06/17/19	Update, as of 06/17/19, the details of the Dashboard page focusing on the design details.	2.2	\$ 325.00	\$ 715.00
Aldryn Estacio	06/17/19	Manually install Xcode for purposes of web application development.	1.8	\$ 400.00	\$ 720.00
Carlo Toribio	06/17/19	Update, as of 06/17/19, the details of the Dashboard page by revising the panels on the main view.	2.5	\$ 325.00	\$ 812.50
Arun Mani	06/17/19	Partner review of overall work products developed across all workstreams as part of monthly update cadence.	1.8	\$ 500.00	\$ 900.00
Carlo Toribio	06/17/19	Update, as of 06/17/19, the details of the Dashboard page by revising the grid.	2.8	\$ 325.00	\$ 910.00
Mark Martin	06/17/19	Continue, from earlier in the day, to perform additional styling of the project data grid / the data grid expansion mini grids utilizing css / SASS (tools to help determine how visual assets are styled / positioned on screen).	2.3	\$ 400.00	\$ 920.00
Aldryn Estacio	06/17/19	Update, as of 06/17/19, the bowtie design based on InVision comments.	2.3	\$ 400.00	\$ 920.00
Gustavo Garcia	06/17/19	Continue, as of 06/17/19, to update the data analytics for the pole integrity risk scoring spreadsheet.	3.4	\$ 275.00	\$ 935.00
Adrian Irwin	06/17/19	Interim refactor of styling / layout code across the site to reduce markup complexity / remove some cross-view conflicts in the CSS code.	3.0	\$ 325.00	\$ 975.00
Arun Mani	06/17/19	Partner review of overall analysis developed across all workstreams as part of monthly update cadence.	2.2	\$ 500.00	\$ 1,100.00
Scott Stoddard	06/17/19	Review, concurrently updating and providing additional direction to G. Garcia (KPMG) for the development of the Pole Integrity Assessment procedure.	3.0	\$ 435.00	\$ 1,305.00
Arun Mani	06/17/19	Partner review of vegetation management analysis specifically in detail, concurrently providing comments to KPMG team.	3.1	\$ 500.00	\$ 1,550.00

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Asset Management Services

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Name	Date	Description	Hours	Rate	Amount
Cy Whitten	06/17/19	0.1 drafted agenda for follow up meeting with M. Broida (KPMG) and Anthony Henderson for Anthony	0.1	\$ 325.00	\$ 32.50
Matt Broida	06/17/19	to complete procedure 2 updates (0.3) Communication with J. McMillan-Wilhoit (KPMG) regarding on-going KPMG support for PG&E EC Tag review process	0.3	\$ 435.00	\$ 130.50
Matt Broida	06/17/19	(0.3) Discussion with P. McCabe (PG&E) on additional circuits required for visualization files to support B&V EC tag review process;	0.3	\$ 435.00	\$ 130.50
Lucy Cai	06/17/19	(.5) Created table indicating all the variances between source mapping / shapefile mapping to provide to PG&E.	0.5	\$ 275.00	\$ 137.50
Brian Wei	06/17/19	Converted txt file of updated list of poles to protection zones, as of 6/17, into Alteryx database file (0.5).	0.5	\$ 275.00	\$ 137.50
David Ross	06/17/19	.4 Manager review of mitigation output of distribution risk model prior to presentation to PG&E	0.4	\$ 400.00	\$ 160.00
Gaurav Thapan-Raina	06/17/19	(0.5) Met with J. White, M. Broida (KPMG) to outline the next steps in presenting the modified Tree Assessment Tool (TAT) which involved designing the process flow diagram, inclusion of statistical analysis outputs for all tree species and additional features (such as terrain, slope and splices) to be included as part of the modification.	0.5	\$ 400.00	\$ 200.00
Matt Broida	06/17/19	(0.5) Met with G. Thapan-Raina (KPMG) after vegetation management SME meeting to align on next steps in preparation of 6/19 follow-up meeting;	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/17/19	(0.5) Planning session with G. Thapan-Raina (KPMG) to prepare for PG&E SME workshop later in the day(6/17)	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/17/19	(0.5) Preliminary review of document EPRI Pole Report to gain insight regarding the methodology for pole probability of failure and process of adjusting in the OH Distribution Risk Model	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/17/19	(0.5) Review of file Copy of Master Outage data 2012 to 20190424_Region.xlsx provided by K. Loomis to identify remaining data input gaps required to vegetation management GNT and outage analysis.	0.5	\$ 435.00	\$ 217.50
Jonathan White	06/17/19	Distribution asset probability meeting with JE. Thalman, S. Adderly (PG&E), D. Ross, B. Wei (KPMG). (0.5)	0.5	\$ 475.00	\$ 237.50
Jonathan White	06/17/19	Meteorology discussion with S. Adderly, S. Gilleran, A. Bagley (PG&E), D. Ross, B. Wei (KPMG). (0.5)	0.5	\$ 475.00	\$ 237.50
Brian Wei	06/17/19	Compared list of poles to protection zones to determine if they can map to asset level data (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/17/19	Created a summary of circuits, protection zones, and structures to facilitate engineering reviews (1.0).	1.0	\$ 275.00	\$ 275.00

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Name	Date	Description	Hours	Rate	Amount
Brian Wei	06/17/19	Meeting with J. Birch, J. Thalman (PG&E), J. White, M. Broida, M. Xu (KPMG) to discuss incorporation of load data to risk reduction model (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/17/19	Participated in meeting with S. Li, J. Thalman, S. Adderly (PG&E), D. Ross, M. Xu (KPMG) to discuss the incorporation of weather data to the risk reduction model (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/17/19	Performed comparison of summary statistics of asset level data for overhead assets (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/17/19	Performed comparison of the division list of the pole data (1.0).	1.0	\$ 275.00	\$ 275.00
David Ross	06/17/19	.7 Analyze / update formulas underlying distribution risk model	0.7	\$ 400.00	\$ 280.00
Juliana McMillan-Wilhoit	06/17/19	Analyze data file provided by M Broida (KPMG)	1.0	\$ 325.00	\$ 325.00
Marcus Xu	06/17/19	Participated in the HOLD Meteorology meeting with B. Wei, D. Ross (KPMG), S. Adderly, J. Thalman (PG&E), and PG&E Meteorology Analytics team (1.0)	1.0	\$ 325.00	\$ 325.00
Marcus Xu	06/17/19	Participated in the Pole modeling in Dx Risk model meeting with D. Ross, B. Wei (KPMG), and J. Thalman (PG&E). (1.0)	1.0	\$ 325.00	\$ 325.00
Brian Wei	06/17/19	Participated in meeting with J. Thalman (PG&E), D. Ross, M. Broida (KPMG) to discuss progress, as of 6/17, with respect to the risk reduction model (1.2).	1.2	\$ 275.00	\$ 330.00
Gaurav Thapan-Raina	06/17/19	(1.0) Conducting meeting with M. Frauenheim, J. Thompson, D. Kida, M. Stewart, J. Vos, K. Rashid (PG&E), J. White, M. Broida (KPMG) to discuss the last stage of the exploratory data analysis (EDA) and discuss initial modifications to the Enhanced Vegetation Management Tree Assessment Tool (TAT). Based on the analysis and insights of the regional-analysis, the discussion was able to identify key features to include based on available data and causes of tree failures and those features to exclude (i.e., soil conditions) for which data was not as robust.	1.0	\$ 400.00	\$ 400.00
Brian Wei	06/17/19	Mapped weather model output to division and area to output summary statistics (1.5).	1.5	\$ 275.00	\$ 412.50
Matt Broida	06/17/19	(1.0) Met with PG&E SMEs to help determine method to enhance the pole failure probability in the OH Dx risk model: J. Thalman (PG&E), J. Birch (PG&E), D. Ross (KPMG), P Baker (PG&E), S Adderly (PG&E), D. Feusse (PG&E);	1.0	\$ 435.00	\$ 435.00
Matt Broida	06/17/19	(1.0) Participated in a check-in for the OH Distribution Risk Model to align on how to address pole modeling and mitigations: D. Ross, B. Wei (KPMG), J. Thalman, S Adderly (PG&E);	1.0	\$ 435.00	\$ 435.00
David Ross	06/17/19	Meeting with J. Thalman, B. Birch (PG&E), J. White (KPMG) to discuss a method to enhance the pole failure probability in the Dx risk model	1.1	\$ 400.00	\$ 440.00

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Jonathan White	06/17/19	Met to discuss Pole Modeling in the DX Risk Model with JE. Thalman, J. Birch, S. Adderly (PG&E), D. Ross, B. Wei, M. Xu (KPMG). (1.0)	1.0	\$ 475.00	\$ 475.00
Jonathan White	06/17/19	Tree Risk Assessment discussion for failure characteristics with M. Frauenheim, K. Loomis, M. Stewart, J. Thompson (PG&E), G. Thapan-Raina, M. Broida (KPMG). (1.0)	1.0	\$ 475.00	\$ 475.00
Cy Whitten	06/17/19	0.8 emailed Anthony Henderson the transition plan for him to handle remaining procedure 2 updates, including the expected workload by week, the current status of documents, and the key contacts	1.5	\$ 325.00	\$ 487.50
Marcus Xu	06/17/19	Participated in client check-in meeting with B. Wei, D. Ross (KPMG), J. Thalman (PG&E) regarding the modeling update. (1.5)	1.5	\$ 325.00	\$ 487.50
Marcus Xu	06/17/19	Perform analysis regarding the method to transform SOPP Outage count data into probability. (1.5)	1.5	\$ 325.00	\$ 487.50
David Ross	06/17/19	Analyze Meteorology data provided by PG&E to determine how to incorporate into distribution risk model	1.4	\$ 400.00	\$ 560.00
Lucy Cai	06/17/19	(2.1) Isolated entire pole dataset used in protection zone workflow to distribution poles / incorporated spatial points in order to map each distribution pole.	2.1	\$ 275.00	\$ 577.50
David Ross	06/17/19	Meeting with J. Thalman, S. Adderly (PG&E), M. Xu, B. Wei (KPMG) to discuss current status of distribution risk model and roadblocks to further development	1.8	\$ 400.00	\$ 720.00
David Ross	06/17/19	Meeting with J. Thalman, S. Adderly, A. Bagley (PG&E), S. Gillerman (PG&E), B. Wei, M. Xu (KPMG) to discuss meteorology data and how to incorporate this information into the distribution risk model.	1.9	\$ 400.00	\$ 760.00
Lucy Cai	06/17/19	(2.9) Compared poles mapped to HFTD from the CPUC website to poles mapped to HFTD from the source file, concurrently isolating the poles that have mapping variances.	2.9	\$ 275.00	\$ 797.50
Marcus Xu	06/17/19	Developed the Alteryx workflow to create the probability failure metrics by division. (3.0)	3.0	\$ 325.00	\$ 975.00
Lucy Cai	06/17/19	(3.7) Mapped new population of distribution pole points to HFTD map downloaded from the California Public Utility Commission website in order to isolate HFTD poles	3.7	\$ 275.00	\$ 1,017.50
Gaurav Thapan-Raina	06/17/19	(2.7) Prepared report on key insights summarizing the entire scope of the analysis, prepared summaries of key findings for each region determining the causes of tree failure, soil conditions, terrain, extent of tree lean and wire downs; documented methodologies and reasoning for selecting feature variables and prepared general presentation in preparation of the discussion with PG&E Vegetation Management members.	2.7	\$ 400.00	\$ 1,080.00

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Name	Date	Description	Hours	Rate	Amount
Gaurav Thapan-Raina	06/17/19	(3.8) Continued updating / generating additional regional-based analysis of tree species failure causes, soil conditions, terrain features, extent of tree lean, tree health and wire downs for outage and GNT outcomes. The analysis focused on the top 10 species by region and then aggregated the total counts by various categories to assess the proportion of each element/condition by site-condition variable. The process involved carrying out and verifying data cuts on the Python platform and preparing PowerPoint slides for each region (stacked bar charts for each feature variable)	3.8	\$ 400.00	\$ 1,520.00
Cy Whitten	06/18/19	Draft email to B. Wong (PG&E) the updated EIR data file breakout to include TUG vs. DUG breakout for incidents.	0.1	\$ 325.00	\$ 32.50
Preston Devaney	06/18/19	Call with C. Gallagher (KPMG), Y. Oum and V. Loh (PG&E) to discuss superclass / subclass relationship for sampling distributions and risk score calculations.	0.2	\$ 275.00	\$ 55.00
Carlo Toribio	06/18/19	Discuss status of PG&E requests, as of 6/18, with A, Irwin, C. Toribio, M. Martin (KPMG)	0.2	\$ 325.00	\$ 65.00
Adrian Irwin	06/18/19	Discuss status of PG&E requests, as of 6/18, with A, Irwin, C. Toribio, M. Martin (KPMG)	0.2	\$ 325.00	\$ 65.00
Cole Gallagher	06/18/19	Call with P. Devaney (KPMG), Y. Oum and V. Loh (PG&E) to discuss superclass / subclass relationship for sampling distributions and risk score calculations.	0.2	\$ 325.00	\$ 65.00
Cy Whitten	06/18/19	Draft email to P. Mackey (PG&E) with the documented updates / outstanding questions related to the master driver / sub driver file.	0.2	\$ 325.00	\$ 65.00
Cy Whitten	06/18/19	Draft email with updated risk dashboard mockup to B. Wong (PG&E) which included update chart layout / driver layout (with reversed order).	0.2	\$ 325.00	\$ 65.00
Mark Martin	06/18/19	Discuss status of PG&E requests, as of 6/18, with A, Irwin, C. Toribio, M. Martin (KPMG)	0.2	\$ 400.00	\$ 80.00
Dennis Cha	06/18/19	Prepared for biweekly huddle call by discussing PMO updates with J.C. Mathieson (PG&E) and summarizing previous huddle call.	0.4	\$ 275.00	\$ 110.00
Preston Devaney	06/18/19	Call between R. Squalli Houssaini, C. Gallagher, K. McNamara (KPMG) to discuss PG&E feedback on Task 3 open items.	0.5	\$ 275.00	\$ 137.50
Preston Devaney	06/18/19	Attend call with T. Schenk, C. Gallagher, A. Irwin (KPMG) to discuss ETL process from excel-based input sheet to database to analytical model.	0.5	\$ 275.00	\$ 137.50
Preston Devaney	06/18/19	Per client request, attend Task 3 PG&E update call with B. Wong, Y. Oum (PG&E), T. Schenk, K. McNamara, C. Gallagher, A. Irwin (KPMG).	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/18/19	Discussed current gaps and potential changes to circuit priority ranking list with J.C. Mathieson (PG&E).	0.5	\$ 275.00	\$ 137.50

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Name	Date	Description	Hours	Rate	Amount
Dennis Cha	06/18/19	Meeting for EC tag Optimization Bi-weekly Huddle for status / updates / requests with J.C. Mathieson, P. McCabe, B. Koelling, O. Takeshima, E. Scaief, D. Thayer, C. Araquistain, T. Pazdan, J. Birch, H. Duncan, R. Franks, J. E. Thalman, J. Tong (Lieu), D. Durbin (PG&E), B. Tuffley, G. Chatha (both B&V), S. Stoddard (KPMG).	0.5	\$ 275.00	\$ 137.50
Gustavo Garcia	06/18/19	Meeting for POL Huddle Status / Update / Requests with S. Stoddard (KPMG), J. Birch, J.C. Mathieson, L. LoGrande, C. Wong, M. Thompson, J. Wright, S. Wetter (PG&E).	0.5	\$ 275.00	\$ 137.50
Gustavo Garcia	06/18/19	Meeting for Pole Integrity Assessment Huddle with S. Stoddard (KPMG), J. Birch, J.C. Mathieson, L. Burson-Thomas, T. Pazdan, B. Nugent (PG&E)	0.5	\$ 275.00	\$ 137.50
Cole Gallagher	06/18/19	Call with P. Devaney, T. Schenk, A. Irwin (KPMG) to discuss ETL process from excel-based input sheet to database to analytical model.	0.5	\$ 325.00	\$ 162.50
Adrian Irwin	06/18/19	Call with P. Devaney, T. Schenk, C. Gallagher (KPMG) to discuss ETL process from excel-based input sheet to database to analytical model.	0.5	\$ 325.00	\$ 162.50
Cole Gallagher	06/18/19	Call between R. Squalli Houssaini, K. McNamara, P. Devaney (KPMG) to discuss PG&E feedback on Task 3 open items.	0.5	\$ 325.00	\$ 162.50
Adrian Irwin	06/18/19	Per client request, attend Task 3 PG&E update call with B. Wong, Y. Oum (PG&E), T. Schenk, P. Devaney, C. Gallagher, K. McNamara (KPMG).	0.5	\$ 325.00	\$ 162.50
Cole Gallagher	06/18/19	Per client request, attend Task 3 PG&E update call with B. Wong, Y. Oum (PG&E), T. Schenk, P. Devaney, K. McNamara, A. Irwin (KPMG).	0.5	\$ 325.00	\$ 162.50
Cy Whitten	06/18/19	Updated EIR data file breakout to include TUG vs. DUG breakout for incidents.	0.5	\$ 325.00	\$ 162.50
Cy Whitten	06/18/19	Updated risk dashboard mockup based on feedback from B. Wong (PG&E) to update chart layout / driver layout (with reversed order).	0.5	\$ 325.00	\$ 162.50
Kyle McNamara	06/18/19	Perform director review of Task 3 open items provided by B. Wong and Y. Oum (PG&E).	0.4	\$ 435.00	\$ 174.00
Kyle McNamara	06/18/19	Prepare status report for the coming week for team input as of 06/18/19	0.4	\$ 435.00	\$ 174.00
Jason Weng	06/18/19	Attended 6/18 EC Tag assignment call led by G. Race (PG&E) and Internal Estimating & Design supervisor team providing supported use of Tableau dashboard and any additional ad hoc reports required.	0.6	\$ 325.00	\$ 195.00
Rita Squalli Houssaini	06/18/19	Attend call with K. McNamara, C. Gallagher, P. Devaney (KPMG) to discuss PG&E feedback on Task 3 open items.	0.5	\$ 400.00	\$ 200.00
Rita Squalli Houssaini	06/18/19	Prepare for 06/18/19 Task 3 status meeting by reviewing the detailed plan along with current status of all items in Task 3.	0.5	\$ 400.00	\$ 200.00
Tom Schenk	06/18/19	Call with P. Devaney, C. Gallagher, A. Irwin (KPMG) to discuss ETL process from excel-based input sheet to database to analytical model.	0.5	\$ 435.00	\$ 217.50

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Name	Date	Description	Hours	Rate	Amount
Kyle McNamara	06/18/19	Attend call with C. Whitten, T. Schenk, M. Ehrhardt, R. Squalli Houssaini (KPMG) to review progress, resolve issues/risks, develop weekly status report for Task 3.	0.5	\$ 435.00	\$ 217.50
Kyle McNamara	06/18/19	Call between R. Squalli Houssaini, C. Gallagher, P. Devaney (KPMG) to discuss PG&E feedback on Task 3 open items.	0.5	\$ 435.00	\$ 217.50
Kyle McNamara	06/18/19	Per client request, attend Task 3 PG&E update call with B. Wong, Y. Oum (PG&E), T. Schenk, P. Devaney, C. Gallagher, A. Irwin (KPMG).	0.5	\$ 435.00	\$ 217.50
Scott Stoddard	06/18/19	Meeting for EC tag Optimization Bi-weekly Huddle for status / updates / requests with J.C. Mathieson, P. McCabe, B. Koelling, O. Takeshima, E. Scaief, D. Thayer, C. Araquistain, T. Pazdan, J. Birch, H. Duncan, R. Franks, J. E. Thalman, J. Tong (Lieu), D. Durbin (PG&E), B. Tuffley, G. Chatha (both B&V), D. Cha(KPMG).	0.5	\$ 435.00	\$ 217.50
Scott Stoddard	06/18/19	Meeting for POL Huddle Status / Update / Requests with G. Garcia (KPMG), J. Birch, J.C. Mathieson, L. LoGrande, C. Wong, M. Thompson, J. Wright, S. Wetter (PG&E).	0.5	\$ 435.00	\$ 217.50
Scott Stoddard	06/18/19	Meeting for Pole Integrity Assessment Huddle with G. Garcia (KPMG), J. Birch, J.C. Mathieson, L. Burson-Thomas, T. Pazdan, B. Nugent (PG&E)	0.5	\$ 435.00	\$ 217.50
Preston Devaney	06/18/19	Created the risk score class / methods to calculate the risk score for each consequence / output of the results.	0.8	\$ 275.00	\$ 220.00
Gustavo Garcia	06/18/19	Discussion with J.C. Mathieson (PG&E) regarding the scope for Pole Integrity Assessment.	0.9	\$ 275.00	\$ 247.50
Jason Weng	06/18/19	Updated draft overall AMS progress Tableau dashboard with current EC data to share with S. Singh (PG&E).(0.8)	0.8	\$ 325.00	\$ 260.00
Dennis Cha	06/18/19	Discussion regarding scope and volume of pole integrity assessment with J.C. Mathieson (PG&E).	1.0	\$ 275.00	\$ 275.00
Dennis Cha	06/18/19	Meeting for ECOP Operationalized Status Update & Huddle Call Agenda Review with S. Stoddard (KPMG).	1.0	\$ 275.00	\$ 275.00
Dennis Cha	06/18/19	Review and discussion regarding the Tier 2 / Tier 3 forecast analysis output slide with J.C. Mathieson (PG&E).	1.0	\$ 275.00	\$ 275.00
Gustavo Garcia	06/18/19	Update, as of 06/18/19, the Issues Log from POL Huddle Meeting updates.	1.0	\$ 275.00	\$ 275.00
Preston Devaney	06/18/19	Updated the risk score class in the Python code to improve the accuracy of the outputs.	1.0	\$ 275.00	\$ 275.00
Gustavo Garcia	06/18/19	Review / respond to emails with J. Birch (PG&E) regarding: negative value pole integrity test score, request to follow-up with PG&E data analytics groups and POL tracking expectations.	1.1	\$ 275.00	\$ 302.50
Gustavo Garcia	06/18/19	Meeting with J. Birch (PG&E) to review progress made on pole integrity severity scoring spreadsheet and discuss the path forward to track POL inspections.	1.2	\$ 275.00	\$ 330.00
Gustavo Garcia	06/18/19	Calculate preliminary number of resources needed to perform pole integrity inspections.	1.3	\$ 275.00	\$ 357.50

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Preston Devaney	06/18/19	Incorporate subclasses for each distribution into the sampling function.	1.3	\$ 275.00	\$ 357.50
Jason Weng	06/18/19	Update, as of 06/18/19, the daily CGI (Can't Get In) report with data from 6/18/19 (1.0) and issued to KPMG team for review (.1).	1.1	\$ 325.00	\$ 357.50
Rita Squalli Houssaini	06/18/19	AMS Task 2 update, as of 06/18/19, with S. Cairns, J. Markland, B. Wong (PG&E), K. McNamara, S. Stoddard (KPMG).	1.0	\$ 400.00	\$ 400.00
Rita Squalli Houssaini	06/18/19	Review feedback from Y. Oum (PG&E) on the list of items to be completed by Task 3 team.	1.0	\$ 400.00	\$ 400.00
Kyle McNamara	06/18/19	AMS Task 2 update, as of 06/18/19, with S. Cairns, J. Markland, B. Wong (PG&E) S. Stoddard, R. Squalli Houssaini (KPMG).	1.0	\$ 435.00	\$ 435.00
Scott Stoddard	06/18/19	AMS Task 2 update, as of 06/18/19, with S. Cairns, J. Markland, B. Wong (PG&E), K. McNamara, R. Squalli Houssaini (KPMG).	1.0	\$ 435.00	\$ 435.00
Scott Stoddard	06/18/19	Meeting for ECOP Operationalized Status Update & Huddle Call Agenda Review with D. Cha (KPMG).	1.0	\$ 435.00	\$ 435.00
Carlo Toribio	06/18/19	Updates, as of 06/18/19, the layout of the bowtie control after review / comments from A. Irwin (KPMG).	1.4	\$ 325.00	\$ 455.00
Arun Mani	06/18/19	Partner review of draft work products prior to submitting to PG&E- Task 3.	1.0	\$ 500.00	\$ 500.00
Jason Weng	06/18/19	Meeting with G. Race, C. Brisky, C. Fuchs, and A. Mathur (PG&E) to review May Business Process Review.	1.6	\$ 325.00	\$ 520.00
Mark Martin	06/18/19	Updating JavaScript to the project detail view based on feedback from the Webb development tech lead, A. Irwin (KPMG).	1.4	\$ 400.00	\$ 560.00
Dennis Cha	06/18/19	Continue, as of 06/18/19, drafting the Tier 2 / Tier 3 forecast analysis for EC Optimization tag review and execution by building out data workflow on Alteryx.	2.1	\$ 275.00	\$ 577.50
Gustavo Garcia	06/18/19	Development of Tag Breakdown Slide.	2.2	\$ 275.00	\$ 605.00
Daniel Elmlad	06/18/19	1.0 Correspond with D. Nguyen and S. Carlson to revise and update response for TURN 021 Q1 ; 1.0 Project update call with S. Singh, S. Cairns, J. Markland (PG&E), K. McNamara, A. Mani (KPMG)	2.0	\$ 325.00	\$ 650.00
Jason Weng	06/18/19	Revised documentation for Informational Tag Workshop note (2.1) and sent to J. Mathieson and H. Duncan (PG&E) for review and to be sent to team (.1).	2.2	\$ 325.00	\$ 715.00
Cy Whitten	06/18/19	Created a reconciliation of distribution outage driver percentages based on total line assets in comparison to wire down data in 2017 RAP.	2.3	\$ 325.00	\$ 747.50
Dennis Cha	06/18/19	Drafted a summary slide for Tier 2 / Tier 3 forecast analysis for EC Optimization tag review / execution.	2.9	\$ 275.00	\$ 797.50
Cy Whitten	06/18/19	Updated master driver / sub driver file to minimize repetitive descriptions based on direction from P. Mackey (PG&E).	2.5	\$ 325.00	\$ 812.50

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Cole Gallagher	06/18/19	Incorporate functionality to aggregate outputs across all submodels, concurrently applying risk scores in Python code.	2.6	\$ 325.00	\$ 845.00
Carlo Toribio	06/18/19	Begin building the Bow Tie control.	2.7	\$ 325.00	\$ 877.50
Adrian Irwin	06/18/19	Continue, as of 06/18/19, to update the interim refactor of styling / layout code across the site to reduce markup complexity / remove some cross-view conflicts in the CSS code.	2.8	\$ 325.00	\$ 910.00
Jason Weng	06/18/19	Update, as of 06/18/19, the Internal Estimating & Design Weekly throughput / progress reports with current EC tag data.	2.8	\$ 325.00	\$ 910.00
Mark Martin	06/18/19	Analysis session with A. Estacio (KPMG) to review the GIT development environment to get it up / running / testing (local AWS lambda platform / the Gatsby web application server).	2.4	\$ 400.00	\$ 960.00
Aldryn Estacio	06/18/19	Analysis session with M. Martin (KPMG) to review the GIT development environment to get it up / running / testing (local AWS lambda platform / the Gatsby web application server).	2.4	\$ 400.00	\$ 960.00
Cole Gallagher	06/18/19	Create method to write outputs from risk class to have model run baseline as well as mitigated cases as part of loop.	3.4	\$ 325.00	\$ 1,105.00
Mark Martin	06/18/19	Creating the bar chart view of the Project view in the application by importing / configuring the charts.js library into the code.	2.9	\$ 400.00	\$ 1,160.00
Carlo Toribio	06/18/19	Continue, from earlier in the day, updates to the layout of the bowtie control after review / comments from A. Irwin (KPMG).	3.7	\$ 325.00	\$ 1,202.50
Aldryn Estacio	06/18/19	Update the Invisionapp Data Flow page, concurrently relinking the corresponding design pages to the flow.	3.2	\$ 400.00	\$ 1,280.00
Scott Stoddard	06/18/19	Prepare for 6/18/19 - AMS KPMG Status Update by reviewing Privately Owned Lines / Pole Integrity Assessment updates (PIA) (1.1), preparing 1 page PIA overview of process (.9), reviewing EC Optimization Status Update prepared by D. Cha (KPMG) (.4), review AMS overview dashboard prepared by J. Weng (KPMG) (.6).	3.0	\$ 435.00	\$ 1,305.00
Mark Martin	06/18/19	Creating the bar chart view of the Project view in the application by creating a new bar-graph chart / positioning / configuring utilizing JavaScript.	3.4	\$ 400.00	\$ 1,360.00
Matt Broida	06/18/19	Meeting with G. Thapan-Raina (KPMG) to review revisions to PG&E tree assessment tool.	0.1	\$ 435.00	\$ 43.50
Cy Whitten	06/18/19	0.2 emailed list of key SMEs to Anthony Henderson to complete procedure document 2	0.2	\$ 325.00	\$ 65.00
David Ross	06/18/19	.3 Aggregate information for data request from PG&E related to distribution risk model.	0.3	\$ 400.00	\$ 120.00
David Ross	06/18/19	.3 Communication with J. White (KPMG) to discuss challenges with the Star conductor data set and comparison to Geographic Information System data set for conductors	0.3	\$ 400.00	\$ 120.00
Matt Broida	06/18/19	(0.3) Discussion of Vegetation Management SME meeting for preparation with G. Thapan-Raina (KPMG).	0.3	\$ 435.00	\$ 130.50

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Name	Date	Description	Hours	Rate	Amount
Brian Wei	06/18/19	Document gaps in STAR conductor data (0.5).	0.5	\$ 275.00	\$ 137.50
Marcus Xu	06/18/19	Discussion regarding the pole modeling data with D. Ross, B. Wei (KPMG), J. Birch (PG&E). (0.5)	0.5	\$ 325.00	\$ 162.50
Gaurav Thapan-Raina	06/18/19	(0.5) Meeting with M. Broida (KPMG) to review adjustments to date to the Enhanced Vegetation Management Tree Assessment Tool (TAT) in preparation for the 6/19 meeting with PG&E Vegetation Management team members.	0.5	\$ 400.00	\$ 200.00
David Ross	06/18/19	.5 discussion with P. McCabe (PG&E) regarding Electric Compliance Tag data set being used by Black & Veatch and mission protection zones	0.5	\$ 400.00	\$ 200.00
David Ross	06/18/19	.5 Meeting with J. Birch (PG&E), M. Xu, B. Wei (KPMG) to discuss pole load database information, incorporation into distribution risk model as an asset health modifier.	0.5	\$ 400.00	\$ 200.00
Matt Broida	06/18/19	(0.5) Meeting with C. Whitten, A. Henderson (KPMG) to discuss transition of Task 1 documentation work	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/18/19	(0.5) Participated in EC tag bi-weekly huddle to provide KPMG input to tool and process for on-going support with J.C. Mathieson, P. McCabe (PG&E), D. Cha (KPMG), B. Tuffley (B&V).	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/18/19	(0.5) Reviewed document Forest Service Hazard Tree Assessment as a benchmark to the proposed PG&E tree assessment process.	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/18/19	(0.5) Reviewed document ISA BasicTreeAssessmentForm as a benchmark to the proposed PG&E tree assessment process.	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/18/19	(0.5) Reviewed document USDA Field Guide for hazard trees as a benchmark to the proposed PG&E tree assessment process.	0.5	\$ 435.00	\$ 217.50
David Ross	06/18/19	.6 Follow-up with B. Wei and M. Xu (KPMG) regarding development of a probability factor from the pole load database	0.6	\$ 400.00	\$ 240.00
Brian Wei	06/18/19	Created Alteryx workflow to calculate probability of failure caused by weather segmented by division for the risk reduction model (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/18/19	Meeting with J. Thalman (PG&E), D. Ross, M. Xu (KPMG) to discuss progress with risk reduction model as of 6/18 (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/18/19	Performed analysis to match updated list of poles to protection zones to data base of EC tags (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/18/19	Prepared sample Excel worksheet to demonstrate how mitigations can lower the probability of failure for certain assets (1.0).	1.0	\$ 275.00	\$ 275.00
David Ross	06/18/19	.7 Call with J. Thalman, S. Adderly (PG&E), M. Xu, B. Wei (KPMG) to discuss current status of distribution risk model and demonstrate the mitigations functionality	0.7	\$ 400.00	\$ 280.00
David Ross	06/18/19	.7 investigate pole load database in order to determine how to obtain data from PG&E's system for use in the distribution risk model	0.7	\$ 400.00	\$ 280.00

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David Ross	06/18/19	.8 Analyze how to apply the meteorology data to conductors as this asset count is displayed by conductor mile as opposed to asset count	0.8	\$ 400.00	\$ 320.00
Marcus Xu	06/18/19	Participated in client check-in meeting with B. Wei, D. Ross (KPMG), J. Thalman (PG&E) regarding the modeling update. (1.0)	1.0	\$ 325.00	\$ 325.00
Marcus Xu	06/18/19	Perform analysis regarding the method to incorporate the Pole safety ratio in order to adjust the baseline probability. (1.0)	1.0	\$ 325.00	\$ 325.00
Marcus Xu	06/18/19	Reviewed the EVM related documentation (1.0)	1.0	\$ 325.00	\$ 325.00
David Ross	06/18/19	.9 analyzed conductor data set for data validation purposes in order to identify missing protection zones.	0.9	\$ 400.00	\$ 360.00
Gaurav Thapan-Raina	06/18/19	(1.0) Reviewed tree assessment methodologies of the United States Department of Agriculture (USDA), the International Society of Arboriculture (ISA) and the PG&E Enhanced Vegetation Management Tree Assessment Tool (TAT) and prepared a summary of advantages, disadvantages and primary application. The purpose of this benchmarking was to help facilitate a discussion on gaps in the tool with member of the PG&E Vegetation Management team.	1.0	\$ 400.00	\$ 400.00
David Ross	06/18/19	Meeting with B. Wei and M. Xu (KPMG) to discuss progress on distribution risk model, identify existing data gaps which need to be requested from PG&E, and determine how to finalize the mitigations component of risk model.	1.0	\$ 400.00	\$ 400.00
Brian Wei	06/18/19	Performed analysis to match updated list of poles to protection zones to asset data based on structure GUID (1.5).	1.5	\$ 275.00	\$ 412.50
Matt Broida	06/18/19	(1.0) Participated in the AMS update to receive input on current managed work streams from PG&E leadership with J. White, A. Mani, K. McNamara (KPMG), S Singh, S. Cairns, B. Wong (PG&E) (partial attendance)	1.0	\$ 435.00	\$ 435.00
Matt Broida	06/18/19	(.9) Review, concurrently revising document PG&E-TAT Concept_mcb1 which outlined the conceptual approach to revised the PG&E tree assessment tool / benchmarking, and (.1) provided updated document to G. Thapan-Raina (KPMG).	1.0	\$ 435.00	\$ 435.00
Matt Broida	06/18/19	(1.0) Reviewed document - University of Florida Tree Assessment Method Comparison as a benchmark to the proposed PG&E tree assessment process.	1.0	\$ 435.00	\$ 435.00
David Ross	06/18/19	Manager review of updated inherent probability of failure outputs from distribution risk model prior to review by PG&E	1.2	\$ 400.00	\$ 480.00
Brian Wei	06/18/19	Validated STAR conductor data / pole data to determine number of protection zones without a conductor (2.0).	2.0	\$ 275.00	\$ 550.00
Matt Broida	06/18/19	(1.3) Began to draft development of white paper outlining required documentation to explain PG&E approach to vegetation management in HFTDs.	1.3	\$ 435.00	\$ 565.50

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Name	Date	Description	Hours	Rate	Amount
Matt Broida	06/18/19	(1.3) Compared current proposed tree assessment process against benchmarks to develop an approach to utilize benchmarks for external validation.	1.3	\$ 435.00	\$ 565.50
Lucy Cai	06/18/19	(2.1) Utilizing uploaded 2016-2018 outage / GNT file provided by PG&E to map out all outages / GNTs in PG&E territory, assign whether they occurred in HFTD by using file's longitude / latitude information in Alteryx.	2.1	\$ 275.00	\$ 577.50
Marcus Xu	06/18/19	Review the tree outage data, concurrently calculating the probability of failure by species. (2.0)	2.0	\$ 325.00	\$ 650.00
Lucy Cai	06/18/19	(2.7) Created slide deck that showcases top ten tree species that failed leading to outages or GNTs in PG&E territory, concurrently segmenting slides by region / species / number of GNTs.	2.7	\$ 275.00	\$ 742.50
David Ross	06/18/19	Updated methodology / scope document, as of 6/18, for distribution risk model for PG&E	2.0	\$ 400.00	\$ 800.00
Marcus Xu	06/18/19	Continue, as of 06/18/19, to update the workflow by creating the probability failure metrics by division. (2.5)	2.5	\$ 325.00	\$ 812.50
Jonathan White	06/18/19	AMS Status Update, as of 06/18/19, with S. Singh, S. Cairns, J. Markland, B. Wong (PG&E), A. Mani, K. McNamara (KPMG) (Task 1)	2.0	\$ 475.00	\$ 950.00
Gaurav Thapan-Raina	06/18/19	(2.6) Reviewed revised datasets provided by (PG&E) on outages / GNTs (The datasets included information from 2004 and forward) (~75,000 outage observations) and commenced the process of preprocessing the datasets on the Alteryx and Python platforms in order to create a single unified outage and GNT dataset, filtered by fire season months and HFTD data.	2.6	\$ 400.00	\$ 1,040.00
Lucy Cai	06/18/19	(3.9) Continue, from earlier on 6/18, to create slide deck that showcases top ten tree species that failed leading to outages or GNTs in PG&E territory, concurrently segmenting slides by region / species / number of GNTs.	3.9	\$ 275.00	\$ 1,072.50

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Gaurav Thapan-Raina	06/18/19	(3.9) Prepared a modification concept document for the Enhanced Vegetation Management Tree Assessment Tool (TAT) that included guiding principles for tool usage, a description of the main features being included (i.e., the six regions, terrain features, key variables under the slope category, historical data related to failure causes – trunk, branch, roots, wind factors, snow load, etc. – and the key species by region); designed process flow for tool usage and illustrative assessment and scoring for each of the tree species within the region; included a list of additional features to consider incorporating into the tool and indicating for which data was currently available at PG&E and those features that could be statistically defensible; included initial benchmarking of tree risk assessment methodologies such as the evaluation form and the Tree Risk Assessment form of the International Society of Arboriculture (ISA) and Community Tree Risk form of the United States Department of Agriculture (USDA) to determine potential gaps between metadata being collected by PG&E in relation to the other forms mentioned earlier.	3.9	\$ 400.00	\$ 1,560.00
Cy Whitten	06/19/19	Draft email with status, as of 06/19/19, of both bowtie data / overall bowtie creation to R. Squalli Houssaini (KPMG T3 PM) for her review.	0.1	\$ 325.00	\$ 32.50
Cy Whitten	06/19/19	Draft email with updated asset failure file to P. Mackey and D. Pant (PG&E).	0.1	\$ 325.00	\$ 32.50
Cy Whitten	06/19/19	Draft email with edited forms to D. Mahe-Torres (PG&E) based on her follow up feedback to first round of forms for obtaining LAN ID to obtain files for completing bowtie analysis.	0.2	\$ 325.00	\$ 65.00
Cole Gallagher	06/19/19	Correct tail average calculation in OOP code.	0.3	\$ 325.00	\$ 97.50
Cy Whitten	06/19/19	Meeting with R. Squalli Houssaini (KPMG) to discuss T1 deliverables status as of 06/19/19.	0.3	\$ 325.00	\$ 97.50
Preston Devaney	06/19/19	Update, as of 06/19/19, the variable names in the sampling class.	0.4	\$ 275.00	\$ 110.00
Rita Squalli Houssaini	06/19/19	Meeting with C. Whitten (KPMG) to discuss T1 deliverables status as of 06/19/19.	0.3	\$ 400.00	\$ 120.00
Preston Devaney	06/19/19	Code review with C. Gallagher (KPMG), B. Wong, Y. Oum, V. Loh (PG&E) to review first iteration of Object Oriented code transition.	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/19/19	Updated biweekly core team huddle meeting minutes / action item tracker (.4) and distributed to the KPMG core team (.1)	0.5	\$ 275.00	\$ 137.50
Cole Gallagher	06/19/19	Code review with P. Devaney (KPMG), B. Wong, Y. Oum, V. Loh (PG&E) to review first iteration of Object Oriented code transition.	0.5	\$ 325.00	\$ 162.50
Adrian Irwin	06/19/19	Review of web app development work stream as well as assigning estimated completion dates and update of progress tracking status for individual tasks with R. Squalli Houssaini (KPMG).	0.5	\$ 325.00	\$ 162.50

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Dennis Cha	06/19/19	Analysis of pole to protection zone mapping scope / volume to assist in upcoming tasks.	0.7	\$ 275.00	\$ 192.50
Jason Weng	06/19/19	Attended 6/19 EC Tag assignment call led by G. Race (PG&E) and Internal Estimating & Design supervisor team providing supported use of Tableau dashboard and any additional ad hoc reports required.	0.6	\$ 325.00	\$ 195.00
Rita Squalli Houssaini	06/19/19	Prepare for 06/19/19 Task 3 status meeting by reviewing the detailed plan along with current status of all items in Task 3.	0.5	\$ 400.00	\$ 200.00
Rita Squalli Houssaini	06/19/19	Review of web app development work stream as well as assigning estimated completion dates and update of progress tracking status for individual tasks with A. Irwin (KPMG).	0.5	\$ 400.00	\$ 200.00
Rita Squalli Houssaini	06/19/19	Call with K. McNamara, T. Schenk (KPMG) to review go-forward plan for user interface development, including integration with code development.	0.5	\$ 400.00	\$ 200.00
Rita Squalli Houssaini	06/19/19	Call with K. McNamara, T. Schenk (KPMG) to review Task 1 deliverables status and IPP log.	0.5	\$ 400.00	\$ 200.00
Tom Schenk	06/19/19	Call with K. McNamara, R. Squalli Houssaini (KPMG) to review Task 1 deliverables status and IPP log.	0.5	\$ 435.00	\$ 217.50
Tom Schenk	06/19/19	Call with K. McNamara, R. Squalli Houssaini (KPMG) to review go-forward plan for user interface development, including integration with code development.	0.5	\$ 435.00	\$ 217.50
Kyle McNamara	06/19/19	Call with T. Schenk, R. Squalli (KPMG) to review Task 1 deliverables status and IPP log.	0.5	\$ 435.00	\$ 217.50
Kyle McNamara	06/19/19	Call with T. Schenk, R. Squalli Houssaini (KPMG) to review go-forward plan for user interface development, including integration with code development.	0.5	\$ 435.00	\$ 217.50
Adrian Irwin	06/19/19	Call with P. Prombo (KPMG) regarding Tableau Dashboard connector and the security features we'll need on the RAMP dashboard.	0.7	\$ 325.00	\$ 227.50
Cy Whitten	06/19/19	Document status of both bowtie data / overall bowtie creation for R. Squalli Houssaini's (KPMG T3 Project Manager) review.	0.8	\$ 325.00	\$ 260.00
Dennis Cha	06/19/19	Continue, as of 06/19/19, developing operationalized status update template slide 1 focusing on progress updates / risk / challenges	1.0	\$ 275.00	\$ 275.00
Phillip Prombo	06/19/19	Call with A. Irwin (KPMG) regarding Tableau Dashboard connector and the security features we'll need on the RAMP dashboard.	0.7	\$ 400.00	\$ 280.00
Gustavo Garcia	06/19/19	WebEx Meeting with A. Samayamanthula (PG&E) to discuss Pole Test & Treat Data and deadline for him to deliver the latest file.	1.1	\$ 275.00	\$ 302.50
Kyle McNamara	06/19/19	Perform director review of Task 3 work plan provided by R. Squalli Houssaini (KPMG).	0.7	\$ 435.00	\$ 304.50
Cy Whitten	06/19/19	Communication with K. Caron (KPMG) regarding items needed for his review including validation of distribution outage counts to 2017 RAMP report filings.	1.0	\$ 325.00	\$ 325.00

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Jason Weng	06/19/19	Incorporated daily CGI (Can't get in) resolutions into master tracking log as requested by S. Culling (PG&E).	1.0	\$ 325.00	\$ 325.00
Cy Whitten	06/19/19	Meeting with P. Mackey (PG&E) regarding updates to master driver file.	1.0	\$ 325.00	\$ 325.00
Jason Weng	06/19/19	Reviewed revised Dependency Management Dashboard provided by S. Li (PG&E) team for alignment to ad hoc reporting.	1.0	\$ 325.00	\$ 325.00
Preston Devaney	06/19/19	Updated the unit testing code to account for changes in the object oriented structure.	1.2	\$ 275.00	\$ 330.00
Jason Weng	06/19/19	Reviewed / debugged access to Pole Loading database provided by J. Birch (PG&E).	1.1	\$ 325.00	\$ 357.50
Gustavo Garcia	06/19/19	Continue, as of 06/19/19, data analytics for the pole integrity risk scoring spreadsheet.	1.5	\$ 275.00	\$ 412.50
Jason Weng	06/19/19	Updated daily CGI (Can't Get In) report with data from 6/19 (1.2) and issued to KPMG team for review (.1).	1.3	\$ 325.00	\$ 422.50
Mark Ehrhardt	06/19/19	Call with T. Ayyagari (KPMG) regarding status / updates / requests as of 06/19/19.	1.0	\$ 435.00	\$ 435.00
Cole Gallagher	06/19/19	Review PEP8 style guide with examples in order to apply formatting best practices to Python code.	1.5	\$ 325.00	\$ 487.50
Jason Weng	06/19/19	Updated May Internal Estimating and Design Business Process review reports based on manager team (PG&E) feedback.	1.6	\$ 325.00	\$ 520.00
Dennis Cha	06/19/19	Discussion with J.C. Mathieson, P. McCabe (PG&E), G. Chatha, B. Tuffley (both B&V) to recap the process and action items from the portfolio-level review today.	2.0	\$ 275.00	\$ 550.00
Cole Gallagher	06/19/19	Correct mitigation effectiveness calculation as first step of fixing overall Risk Spend Efficiency calculation.	1.7	\$ 325.00	\$ 552.50
Jason Weng	06/19/19	Review, concurrently identifying potential inspection tracking data gap (1.6) and provided to M. Agarwal (PG&E) for review and to resolve (.1).	1.7	\$ 325.00	\$ 552.50
Mark Martin	06/19/19	Continue, analysis to review A. Irwin's (KPMG) GIT development environment to get it up / running / testing (local AWS lambda platform / the Gatsby web application server).	1.4	\$ 400.00	\$ 560.00
Gustavo Garcia	06/19/19	Meeting with J. Birch (PG&E) to discuss risk scoring spreadsheet changes.	2.1	\$ 275.00	\$ 577.50
Dennis Cha	06/19/19	Attended portfolio-level review meeting to review system hardening project opportunities recommended by B&V with J.C. Mathieson, N. Moran, P. McCabe, B. Koelling (PG&E), G. Chatha, B. Tuffley (both B&V).	2.3	\$ 275.00	\$ 632.50
Dennis Cha	06/19/19	Meeting to Iteratively develop portfolio-level agenda with J.C. Mathieson (PG&E).	2.3	\$ 275.00	\$ 632.50
Cy Whitten	06/19/19	Update, as of 06/19/19, the Asset Failure file with AMS bowtie drivers / subdrivers from morning meeting.	2.0	\$ 325.00	\$ 650.00
Gustavo Garcia	06/19/19	Update the weekly Status Report Update slide as of 06/19/19.	2.6	\$ 275.00	\$ 715.00

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Name	Date	Description	Hours	Rate	Amount
Adrian Irwin	06/19/19	Incorporate GET /tranches/project_risk/{id} AWS lambda endpoint for populating the Risk/Tranches view that is accessed by clicking on a single risk name in the project view.	2.3	\$ 325.00	\$ 747.50
Carlo Toribio	06/19/19	Updating, as of 06/19/19, the bow tie control focusing on design.	2.3	\$ 325.00	\$ 747.50
Mark Martin	06/19/19	Remove all old code in section views where the navigation code existed, concurrently exchanging it for the refactored code (1.3) and tested (.6)	1.9	\$ 400.00	\$ 760.00
Aldryn Estacio	06/19/19	Updated Cross Cutter / Investment Planner design comments from invisionapp submitted by B. Wong's (PG&E).	1.9	\$ 400.00	\$ 760.00
Gustavo Garcia	06/19/19	Continue, as of 06/19/19, developing Pole Integrity procedure, concurrently incorporating more detail into the data analytics.	2.8	\$ 275.00	\$ 770.00
Carlo Toribio	06/19/19	Updating, as of 06/19/19, the bow tie control focusing on styling.	2.4	\$ 325.00	\$ 780.00
Aldryn Estacio	06/19/19	Created new information architecture for the user role Cross Cutter.	2.0	\$ 400.00	\$ 800.00
Mark Martin	06/19/19	Updating, as of 06/19/19, the JavaScript in the project detail view based on feedback from the Webb development tech lead, A. Irwin (KPMG).	2.0	\$ 400.00	\$ 800.00
Cy Whitten	06/19/19	Meeting with D. Pant, P. Mackey, H. Mejjaty, T. McCartney (PG&E) to document bowtie drivers and subdrivers for 20 ramp filing.	2.5	\$ 325.00	\$ 812.50
Aldryn Estacio	06/19/19	Created new information architecture for the user role Investment Planner.	2.1	\$ 400.00	\$ 840.00
Aldryn Estacio	06/19/19	Created new information architecture for the user role Line of Business.	2.1	\$ 400.00	\$ 840.00
Arun Mani	06/19/19	Continue, from earlier on 06/19/19, partner review of the UX dashboard, providing comments to the KPMG team regarding the code requirements.	1.7	\$ 500.00	\$ 850.00
Arun Mani	06/19/19	Continue, as of 06/19/19, partner review of the Ux dashboard, providing comments / updates for the KPMG team as to the appearance.	1.8	\$ 500.00	\$ 900.00
Carlo Toribio	06/19/19	Updating, as of 06/19/19, the bow tie control focusing on functionality.	2.8	\$ 325.00	\$ 910.00
Rita Squalli Houssaini	06/19/19	Update, as of 06/19/19, the Task 3 detailed project plan with A. Irwin's (KPMG) feedback.	2.3	\$ 400.00	\$ 920.00
Cole Gallagher	06/19/19	Update, as of 06/19/19, the output driver frequencies for all iterations for all drivers across all 6 gas submodels at 3 iteration levels for validation purposes.	3.0	\$ 325.00	\$ 975.00
Arun Mani	06/19/19	Continue, as of 6/19, partner review of overall work products developed across all workstreams as part of monthly update cadence.	2.0	\$ 500.00	\$ 1,000.00
Arun Mani	06/19/19	Continue, as of 6/19, partner review of overall analysis developed across all workstreams as part of monthly update cadence.	2.1	\$ 500.00	\$ 1,050.00

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Mark Martin	06/19/19	Refactored the way the web application handles navigating to different application sections, so that the web address for each section now includes the section name (like "http://www.pp.com/project") and projects will appear in the project section.	2.7	\$ 400.00	\$ 1,080.00
Matt Broida	06/19/19	Meeting with G. Thapan-Raina (KPMG) to discuss areas of focus for the PG&E tree assessment tool workshop.	0.1	\$ 435.00	\$ 43.50
Brian Wei	06/19/19	Participated in vegetation meeting with M. Broida, G. Thapan-Raina, D. Ross, M. Xu (0.5).	0.5	\$ 275.00	\$ 137.50
David Ross	06/19/19	.4 Discussion with B. Wei, M. Xu (KPMG) to discuss progress of meteorology modifier of distribution risk model and different approaches to demonstrate weather impact.	0.4	\$ 400.00	\$ 160.00
David Ross	06/19/19	.4 Manager review, as of 6/19, of transmission bundling output prior to sending to PG&E	0.4	\$ 400.00	\$ 160.00
David Ross	06/19/19	.5 Attend call with C. Whitten, D. Ross, K. McNamara, R. Squalli (KPMG) to review Task 1 deliverables status as of 6/19 and Information Protection Plan log.	0.5	\$ 400.00	\$ 200.00
Gaurav Thapan-Raina	06/19/19	(0.5) Met with K. Loomis (PG&E) to summarize additional modifications to the Tree Assessment Tool (TAT) Excel template and the merging of the revised outage / GNT data, data gaps with respect to latitudinal and longitudinal mapping of the HFTDs.	0.5	\$ 400.00	\$ 200.00
Matt Broida	06/19/19	(0.5) Meeting with J. White (KPMG) to discuss resources /budget for task 1, providing update on key project 1 work streams for ultimate communication to PG&E	0.5	\$ 435.00	\$ 217.50
Matt Broida	06/19/19	(0.5) Met with G. Thapan-Raina (KPMG) to discuss tree assessment tool benchmarking analysis	0.5	\$ 435.00	\$ 217.50
David Ross	06/19/19	.6 Discussion with M. Broida, G. Thapan (KPMG) to determine what vegetation data can be utilized for the distribution risk model.	0.6	\$ 400.00	\$ 240.00
Marcus Xu	06/19/19	Participated in client check-in meeting with B. Wei, D. Ross, J. White (KPMG), S. Adderly (PG&E) regarding the modeling update as of 06/19/19. (1.0)	1.0	\$ 325.00	\$ 325.00
Marcus Xu	06/19/19	Perform analysis regarding the weather modifier as well as the way to include them into the current model. (1.0)	1.0	\$ 325.00	\$ 325.00
Marcus Xu	06/19/19	Review the SOPP model output, concurrently mapping to the division level data. (1.0)	1.0	\$ 325.00	\$ 325.00
Brian Wei	06/19/19	Updated grouped data to remove certain columns per request of P. McCabe (PG&E) (1.3).	1.3	\$ 275.00	\$ 357.50

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Gaurav Thapan-Raina	06/19/19	(1.0) Met with D. Ross, M. Broida, B. Wei, M. Xu (KPMG) to discuss how the outcomes of the vegetation management study could complement the asset risk modeling effort being led by D. Ross (KPMG); the discussion focused on understanding the key tree features collected during outage and GNT investigations, current gaps in data collection methodologies and brainstorming around what vegetation management data cuts could supplement the data already collected on each PG&E asset.	1.0	\$ 400.00	\$ 400.00
Gaurav Thapan-Raina	06/19/19	(1.0) Conducted meeting with M. Frauenheim (PG&E) and M. Broida (KPMG) to review Tree Assessment Tool (TAT) modifications, guiding principles, concept design and process. The discussion also discussed the initial benchmarking/gap analysis conducted on the scoring methodology across tree risk assessment forms.	1.0	\$ 400.00	\$ 400.00
Brian Wei	06/19/19	Attended meeting regarding the RAMP model with D. Pant, T. McCartney, H. Mejjaty, P. Mackey, M. Sakamoto, J. Thomas, R. Bartley, B. Shah, E. Parks, B. Andino (PG&E), J. White (KPMG) (1.5).	1.5	\$ 275.00	\$ 412.50
Brian Wei	06/19/19	Meeting with J. Thalman (PG&E), D. Ross (KPMG) to discuss updates to risk reduction model (1.5).	1.5	\$ 275.00	\$ 412.50
Jonathan White	06/19/19	One Concern modeling discussion with S. Singh (PG&E) and R. Mueller (One Concern). (1.0)	1.0	\$ 475.00	\$ 475.00
Lucy Cai	06/19/19	(1.9) Ran asset health workflow to assign structure health / circuit health scores to all transmission structures / circuits that have a notification for repair.	1.9	\$ 275.00	\$ 522.50
Brian Wei	06/19/19	Performed analysis to calculate probability of failure of an asset updated with meteorology data (2.0).	2.0	\$ 275.00	\$ 550.00
Matt Broida	06/19/19	(1.3) Facilitated discussion with PG&E vegetation management SMEs to review tree assessment tool, specifically the tree and site specific conditions section, to determine appropriate content based on known data drivers, and to determine needed changes to this section with G. Thapan-Raina (KPMG), M. Frauenheim, and K. Loomis (PG&E).	1.3	\$ 435.00	\$ 565.50
David Ross	06/19/19	Manager review of meteorology analysis developed for distribution risk model	1.6	\$ 400.00	\$ 640.00
Marcus Xu	06/19/19	Participated in DER for RAMP regarding Bowtie creation with PG&E. (2.0)	2.0	\$ 325.00	\$ 650.00
Matt Broida	06/19/19	(1.5) Participated in the PG&E Enterprise Risk DER for RAMP - Bowtie creation workshop to provide KPMG input for Dx modeling and vegetation management workstreams: B. Wong (KPMG), D Pant (PG&E), H. Mejjaty (PG&E), B Shah (PG&E), M., Sajamoto (PG&E), J. Thomas (PG&E)	1.5	\$ 435.00	\$ 652.50
Brian Wei	06/19/19	Created summary table of circuits, protection zones, count of structures, count of tags for client for engineering teams to review (2.5).	2.5	\$ 275.00	\$ 687.50

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Name	Date	Description	Hours	Rate	Amount
David Ross	06/19/19	Meeting with J. Thalman (PG&E), B. Wei, M. Xu (KPMG) to discuss progress on distribution risk model and how to integrate into data visualization.	1.9	\$ 400.00	\$ 760.00
David Ross	06/19/19	Participated in PG&E Workshop on DER for Risk Assessment Mitigation Phase bowtie creation	2.0	\$ 400.00	\$ 800.00
Gaurav Thapan-Raina	06/19/19	(2.0) Prepared updated presentation of key findings for a meeting with S. Cairns (PG&E) on the vegetation management study including a project timeline of main accomplishments and upcoming focus areas for the various analyses.	2.0	\$ 400.00	\$ 800.00
David Ross	06/19/19	Analyze vegetation data sets provided by PG&E to determine how to integrate into vegetation modifier of distribution risk model	2.3	\$ 400.00	\$ 920.00
Jonathan White	06/19/19	DER for RAMP meeting with D. Pant, T. McCartney, H. Mejyaty, P. Mackey, M. Sakamoto, E. Parks, B. Wong (PG&E), C. Whitten (KPMG). (2.0)	2.0	\$ 475.00	\$ 950.00
Marcus Xu	06/19/19	Modifying the current dashboard with new data input, concurrently creating a new Tableau Dashboard with color scheme. (3.0)	3.0	\$ 325.00	\$ 975.00
Lucy Cai	06/19/19	(3.5) Isolated distribution pole population that have either 0 values for longitudes / latitudes or NULL values for longitudes / latitudes, concurrently collecting equipment ID numbers, and (.2) provide the list to PG&E to determine why they are not provided	3.7	\$ 275.00	\$ 1,017.50
Lucy Cai	06/19/19	(3.7) Created PowerPoint slide that compares features from various tree analysis / testing tools from sources against PG&E's internal Tree Assessment Tool.	3.7	\$ 275.00	\$ 1,017.50
Gaurav Thapan-Raina	06/19/19	(3.7) Continued preprocessing of revised outage / GNT data (provided by (PG&E)) on the Python / Alteryx platforms in order to work from a unified dataset and address any data gaps; The preprocessing entailed removing un-needed columns, verifying accuracy of certain data fields (i.e., latitude and longitudes, vegetation-related tree failure causes, overall number of variables to be used in the revised predictive analytics modeling).	3.7	\$ 400.00	\$ 1,480.00
Matt Broida	06/19/19	(3.9) Development of white paper outlining required documentation to explain PG&E approach to vegetation management in HFTDs to transition to G. Thapan-Raina (KPMG).	3.9	\$ 435.00	\$ 1,696.50
Cy Whitten	06/20/19	Draft email to B. Wei (KPMG) requesting access to SFTP site to be able to transfer file to B. Wong (PG&E) for his review.	0.1	\$ 325.00	\$ 32.50
Cy Whitten	06/20/19	Draft email to M. Camara (PG&E) to request revised distribution outage SAIDI data for bowtie development.	0.1	\$ 325.00	\$ 32.50
Cy Whitten	06/20/19	Draft email to P. Prombo (KPMG) requesting access to SFTP site to be able to transfer file to B. Wong (PG&E) for his review.	0.1	\$ 325.00	\$ 32.50

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Name	Date	Description	Hours	Rate	Amount
Cole Gallagher	06/20/19	Create, concurrently testing scaled risk score attribute in risk object.	0.2	\$ 325.00	\$ 65.00
Preston Devaney	06/20/19	Attend 6/20 PG&E check-in call with C. Gallagher, R. Squalli Houssaini (KPMG), B. Wong, Y. Oum, S. Jayaraman (PG&E) to discuss project status and additional validation exercises for Python model.	0.3	\$ 275.00	\$ 82.50
Gustavo Garcia	06/20/19	Communication with D. Cha (KPMG) regarding status updates as of 06/20/19 for inclusion in status reports for PG&E.	0.3	\$ 275.00	\$ 82.50
Dennis Cha	06/20/19	Reviewed and updated AMS weekly status report for Task 2 portion (EC Optimization program status update)	0.3	\$ 275.00	\$ 82.50
Cole Gallagher	06/20/19	Attend 6/20 PG&E check-in call with P. Devaney, R. Squalli Houssaini (KPMG), B. Wong, Y. Oum, S. Jayaraman (PG&E) to discuss project status and additional validation exercises for Python model.	0.3	\$ 325.00	\$ 97.50
Adrian Irwin	06/20/19	Cross-team check-in meeting, as of 06/20/19, with B. Wong (PG&E).	0.3	\$ 325.00	\$ 97.50
Gustavo Garcia	06/20/19	Meeting with J. Birch (PG&E) to discuss support for the remainder of the week, needing to focus on receiving data and moving pole integrity along.	0.4	\$ 275.00	\$ 110.00
Dennis Cha	06/20/19	Prepared for biweekly huddle call by discussing PMO updates with J.C. Mathieson (PG&E) and summarizing previous huddle call.	0.4	\$ 275.00	\$ 110.00
Rita Squalli Houssaini	06/20/19	Attend 6/20 PG&E check-in call with C. Gallagher, P. Devaney (KPMG), B. Wong, Y. Oum, S. Jayaraman (PG&E) to discuss project status and additional validation exercises for Python model.	0.3	\$ 400.00	\$ 120.00
Dennis Cha	06/20/19	Discussion regarding EC Optimization program tag review and execution forecast with J.C. Mathieson, M. Esguerra, L. Bayne, M. Amir (PG&E), S. Stoddard (KPMG)	0.5	\$ 275.00	\$ 137.50
Gustavo Garcia	06/20/19	Draft email to A. Samayamanthula and R. Papa (PG&E) to follow-up on data request.	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/20/19	Meeting for EC tag Optimization Bi-weekly Huddle with J.C. Mathieson, P. McCabe, B. Koelling, O. Takeshima, E. Scaief, D. Thayer, C. Araquistain, T. Pazdan, J. Birch, H. Duncan, R. Franks, J.E. Thalman, J. Tong (Lieu), D. Durbin (PG&E), B. Tuffley, G. Chatha (both B&V), S. Stoddard (KPMG).	0.5	\$ 275.00	\$ 137.50
Gustavo Garcia	06/20/19	Meeting for POL Inspections - Status Update / open items for POL customer reach-outs, asset inspections, veg inspections, repairs, close-out reports with J. Birch, G. Guerra, C. Wong, S. Wetter, S. Dolcemascolo Jr., L. Miner, L. LoGrande, M. Koffman, A. Dashner, T. Spencer (PG&E) and S. Stoddard (KPMG).	0.5	\$ 275.00	\$ 137.50
Preston Devaney	06/20/19	Meeting with R. Houssaini, C. Gallagher, P. Devaney (KPMG) to discuss open items, slate the remaining open items for specific weeks of development, discuss what plan through end of June.	0.5	\$ 275.00	\$ 137.50

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Name	Date	Description	Hours	Rate	Amount
Dennis Cha	06/20/19	Reviewed format / content of tag information needed for IT batch update with H. Duncan (PG&E), G. Chatha, and B. Tuffley (both B&V).	0.5	\$ 275.00	\$ 137.50
Preston Devaney	06/20/19	Update the risk score class in the Python code to output the risk score for all consequences / years.	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/20/19	Update, as of 06/20/19, the biweekly core team huddle meeting minutes / action item tracker (.4) and distributed to the KPMG core team (.1)	0.5	\$ 275.00	\$ 137.50
Rita Squalli Houssaini	06/20/19	Prepare for 06/20/19 Task 3 status meeting by reviewing the detailed plan along with current status of all items in Task 3.	0.4	\$ 400.00	\$ 160.00
Cy Whitten	06/20/19	Draft email to K. Caron (KPMG), D. Pant, Y. Oum and B. Wong (PG&E) with a list of definitions needed to understand the distribution outage data.	0.5	\$ 325.00	\$ 162.50
Cole Gallagher	06/20/19	Meeting with R. Houssaini, C. Gallagher, P. Devaney (KPMG) to discuss open items, slate the remaining open items for specific weeks of development, discuss plan through end of June.	0.5	\$ 325.00	\$ 162.50
Cy Whitten	06/20/19	Meeting with Y. Oum (PG&E) to discuss updates needed for transmission driver listing as of 06/20/19.	0.5	\$ 325.00	\$ 162.50
Cy Whitten	06/20/19	Review distribution outage file provided by D. Pant (PG&E) to determine if we had SAIDI data.	0.5	\$ 325.00	\$ 162.50
Cy Whitten	06/20/19	Update, as of 06/20/19, the status report with tasks completed this week as well as tasks for next week to provide guidance to PG&E.	0.5	\$ 325.00	\$ 162.50
Preston Devaney	06/20/19	Call with C. Gallagher, R. Squalli Houssaini (KPMG) to discuss the remaining tasks and timeline for Python code development.	0.6	\$ 275.00	\$ 165.00
Gustavo Garcia	06/20/19	Continue, as of 06/20/19, developing Pole Integrity Procedure as well as incorporating reference to canceling tags.	0.6	\$ 275.00	\$ 165.00
Kyle McNamara	06/20/19	Status call with C. Whitten, T. Schenk, M. Ehrhardt, R. Squalli Houssaini (KPMG) to review progress, resolve issues/risks, develop weekly status report for Task 3.	0.4	\$ 435.00	\$ 174.00
Kyle McNamara	06/20/19	Update risk and issue log for Friday's leadership meeting.	0.4	\$ 435.00	\$ 174.00
Carlo Toribio	06/20/19	Web Application Development Meeting with A. Irwin, M. Martin (KPMG) to discuss status of PG&E requests as of 06/20/19.	0.6	\$ 325.00	\$ 195.00
Adrian Irwin	06/20/19	Web Application Development Meeting with A. Irwin, C. Toribio, M. Martin (KPMG) to discuss status of PG&E requests as of 06/20/19.	0.6	\$ 325.00	\$ 195.00
Cole Gallagher	06/20/19	Call with P. Devaney, R. Squalli Houssaini (KPMG) to discuss the remaining tasks and timeline for Python code development.	0.6	\$ 325.00	\$ 195.00
Rita Squalli Houssaini	06/20/19	Communication to follow-up with C. Whitten, T. Schenk, A. Irwin (all KPMG Task 3 Leads) regarding status to prepare the Status report for the meeting updates.	0.5	\$ 400.00	\$ 200.00

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Name	Date	Description	Hours	Rate	Amount
Rita Squalli Houssaini	06/20/19	Meeting with R. Houssaini, C. Gallagher, P. Devaney (KPMG) to discuss open items, slate the remaining open items for specific weeks of development, discuss plan through end of June.	0.5	\$ 400.00	\$ 200.00
Mark Ehrhardt	06/20/19	Per client request, attend Task 3 status call with B. Wong (PG&E) and K. McNamara, K. Caron, T. Schenk, M. Ehrhardt, C. Gallagher, P. Devaney (KPMG) to provide the current overview of task 3 status.	0.5	\$ 435.00	\$ 217.50
Scott Stoddard	06/20/19	Discussion regarding EC Optimization program tag review and execution forecast with J.C. Mathieson, M. Esguerra, L. Bayne, M. Amir (PG&E), D. Cha (KPMG)	0.5	\$ 435.00	\$ 217.50
Scott Stoddard	06/20/19	Meeting for EC tag Optimization Bi-weekly Huddle with J.C. Mathieson, P. McCabe, B. Koelling, O. Takeshima, E. Scaief, D. Thayer, C. Araquistain, T. Pazdan, J. Birch, H. Duncan, R. Franks, J.E. Thalman, J. Tong (Lieu), D. Durbin (PG&E), B. Tuffley, G. Chatha (both B&V), D. Cha (KPMG).	0.5	\$ 435.00	\$ 217.50
Scott Stoddard	06/20/19	Meeting for POL Inspections - Status Update / open items for POL customer reach-outs, asset inspections, veg inspections, repairs, close-out reports with J. Birch, G. Guerra, C. Wong, S. Wetter, S. Dolcemascosco Jr., L. Miner, L. LoGrande, M. Koffman, A. Dashner, T. Spencer (PG&E) and G. Garcia (KPMG).	0.5	\$ 435.00	\$ 217.50
Mark Martin	06/20/19	Web Application Development Meeting with A. Irwin, C. Toribio (KPMG) to discuss status of PG&E requests as of 06/20/19	0.6	\$ 400.00	\$ 240.00
Rita Squalli Houssaini	06/20/19	Call with P. Devaney, C. Gallagher (KPMG) to discuss the remaining tasks and timeline for Python code development.	0.6	\$ 400.00	\$ 240.00
Rita Squalli Houssaini	06/20/19	Update, as of 06/20/19, the status report for Task 3 following team's feedback (.5) and send to K. McNamara (KPMG) (1).	0.6	\$ 400.00	\$ 240.00
Kyle McNamara	06/20/19	Perform director review of Task 3 work plan sent by R. Squalli Houssaini (KPMG).	0.6	\$ 435.00	\$ 261.00
Dennis Cha	06/20/19	Drafted EC Optimization weekly status report slides 2 / 3 focusing on overview - timeline - EC tag preparation - work prioritization - regulatory plan.	1.1	\$ 275.00	\$ 302.50
Cole Gallagher	06/20/19	Complete driver frequency validation (.9) and distribute to client (.1).	1.0	\$ 325.00	\$ 325.00
Cy Whitten	06/20/19	Meeting with B. Wong and Y. Oum (PG&E) to discuss distribution outage drivers selection.	1.0	\$ 325.00	\$ 325.00
Cole Gallagher	06/20/19	Update write outputs method to write scaled / discounted risk score outputs.	1.0	\$ 325.00	\$ 325.00
Jason Weng	06/20/19	Update, as of 06/20/19, the May Business Process Review slides per request from S. Cullings (PG&E).	1.0	\$ 325.00	\$ 325.00
Dennis Cha	06/20/19	Drafted EC Optimization weekly status report slides 4 / 7 focusing on overview - timeline - EC tag preparation - work prioritization - regulatory plan.	1.2	\$ 275.00	\$ 330.00

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Name	Date	Description	Hours	Rate	Amount
Kyle McNamara	06/20/19	Performed director review of team status reports as of 06/20/19.	0.8	\$ 435.00	\$ 348.00
Jason Weng	06/20/19	Consolidated draft Task 2 weekly status update (1.0) and sent to S. Stoddard (PG&E) for review (.1).	1.1	\$ 325.00	\$ 357.50
Cole Gallagher	06/20/19	Move global risk score outputs under classes as attributes to improve readability / structure of code.	1.1	\$ 325.00	\$ 357.50
Jason Weng	06/20/19	Updated daily CGI (Can't Get In) report with data from 6/19/19 (1.0) and issued to KPMG team for review (.1).	1.1	\$ 325.00	\$ 357.50
Gustavo Garcia	06/20/19	Update, as of 06/20/19, to the status of POL on hold to the POL Huddle Team of J. Birch, C. Wong, and S. Wetters (PG&E).	1.4	\$ 275.00	\$ 385.00
Gustavo Garcia	06/20/19	Updated POL tracking spreadsheet to include Wednesday's inspection (1.3) and send update to J. Birch and S. Docemascolo (PG&E) (.1).	1.4	\$ 275.00	\$ 385.00
Cole Gallagher	06/20/19	Update order of operations on risk score calculation and present value calculation in Python code.	1.2	\$ 325.00	\$ 390.00
Dennis Cha	06/20/19	Analyze, concurrently reviewing the scope / volume of pole integrity assessment with J. Birch (PG&E).	1.5	\$ 275.00	\$ 412.50
Dennis Cha	06/20/19	Discussion with J.C. Mathieson and P. McCabe (PG&E), to review and track action items from the portfolio-level review and next steps.	1.5	\$ 275.00	\$ 412.50
Preston Devaney	06/20/19	Update, as of 06/20/19, the unit testing code to test the mitigation / risk score methods.	1.5	\$ 275.00	\$ 412.50
Dennis Cha	06/20/19	Drafted EC Optimization weekly status report slides 8 - 11 focusing on overview / timeline / EC tag preparation / work prioritization / regulatory plan.	1.6	\$ 275.00	\$ 440.00
Rita Squalli Houssaini	06/20/19	Updated list of items from B. Wong and Y. Oum (PG&E) following call with KPMG Task 3 team.	1.1	\$ 400.00	\$ 440.00
Mark Martin	06/20/19	Update, as of 06/20/19, the bar graph for the projects view focusing on adjusting bar colors utilizing the Charts.js JavaScript library.	1.2	\$ 400.00	\$ 480.00
Yiwen Fu	06/20/19	Attend call with J. Gonzales, J. White, B. Wei, D. Ross (KPMG) as part of required Quality review to discuss Asset probability model and Vegetation study.	1.5	\$ 400.00	\$ 600.00
Dennis Cha	06/20/19	Interactively and iteratively reviewed this week's status report update with P. McCabe and J. Birch (PG&E EC Optimization Program Workstream Owners) focusing on slides 5 / 6, respectively.	2.2	\$ 275.00	\$ 605.00
Cy Whitten	06/20/19	Meeting with B. Wong (PG&E) to discuss distribution outage frequency calculation reconciliation to 2017 RAMP report.	1.9	\$ 325.00	\$ 617.50
Arun Mani	06/20/19	Partner review, as of 6/20, of the activities performed as part of Task 2.	1.3	\$ 500.00	\$ 650.00
Cy Whitten	06/20/19	Meeting with Y. Oum, B. Wong, V. Loh, D. Pant (PG&E) to discuss Transmission OH input file loading.	2.0	\$ 325.00	\$ 650.00

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Name	Date	Description	Hours	Rate	Amount
Cy Whitten	06/20/19	Revise distribution outage reconciliation to RAMP 2017 report to review line to ground population.	2.2	\$ 325.00	\$ 715.00
Mark Martin	06/20/19	Created new navigation approach so previous addresses for example 127.0.0.1:8000/base/projects can remove the 'base' root path - so it appears like 127.0.0.1:8000/projects.	1.8	\$ 400.00	\$ 720.00
Kyle McNamara	06/20/19	Update, as of 06/20/19, the Task 3-5 program roadmap to address request from S. Singh (PG&E).	1.7	\$ 435.00	\$ 739.50
Juan Gonzalez III	06/20/19	Conduct call with Y. Fu, J. White, B. Wei, D. Ross (KPMG) as part of required Quality review to discuss Asset probability model and Vegetation study.	1.5	\$ 500.00	\$ 750.00
Jason Weng	06/20/19	Reviewed past 'OPS' report tracking estimator production for conversion to automated reporting.	2.4	\$ 325.00	\$ 780.00
Jason Weng	06/20/19	Revised documentation for Informational Tag Workshop note (2.3) and sent to J. Mathieson and H. Duncan (PG&E) for review and to be sent to team (.1).	2.4	\$ 325.00	\$ 780.00
Cole Gallagher	06/20/19	Apply PEP8 styling to main.py file / sampling.py files.	2.5	\$ 325.00	\$ 812.50
Mark Martin	06/20/19	Update, as of 06/20/19, the bar graph for the projects view, including adjusting the position of the graph title utilizing the Charts.js JavaScript library.	2.3	\$ 400.00	\$ 920.00
Mark Martin	06/20/19	Update, as of 06/20/19, the bar graph for the projects view focusing on adjusting the bar widths utilizing the Charts.js JavaScript library.	2.4	\$ 400.00	\$ 960.00
Daniel Elmlad	06/20/19	1.0 - Reference rebuttal documentation, prior testimony to prepare to develop rebuttal testimony for PG&E; 2.0 Corresponded with D. Nguyen, S. Carlson (PG&E) to revise and update response for TURN 021 Q1	3.0	\$ 325.00	\$ 975.00
Arun Mani	06/20/19	Partner review of risk modeling methodology employed for Task 1, concurrently providing comments to the KPMG teams.	2.0	\$ 500.00	\$ 1,000.00
Arun Mani	06/20/19	Partner review of Task 3 deliverables produced by the KPMG team.	2.0	\$ 500.00	\$ 1,000.00
Arun Mani	06/20/19	Review responses to specific regulatory questions as part of S. Singh's (PG&E) testimony development process.	2.0	\$ 500.00	\$ 1,000.00
Adrian Irwin	06/20/19	Prototype development of object storage mock-in for local development of file upload and retrieval development purposes.	3.1	\$ 325.00	\$ 1,007.50
Carlo Toribio	06/20/19	Creating the bow-tie page skeleton focusing on the "Risk Event" section.	3.6	\$ 325.00	\$ 1,170.00
Carlo Toribio	06/20/19	Creating the bow-tie page skeleton focusing on the "Outcomes" section.	3.8	\$ 325.00	\$ 1,235.00
Cy Whitten	06/20/19	Emailed Anthony Henderson answering his question about procedure document 2 development related to formatting	0.2	\$ 325.00	\$ 65.00
Matt Broida	06/20/19	(.3) Meeting with G. Thapan-Raina (KPMG) to discuss vegetation management deliverables and status as of 6/20/19.	0.3	\$ 435.00	\$ 130.50

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Matt Broida	06/20/19	(0.3) Meeting with P. McCabe (PG&E) and D. Ross (KPMG) to discuss coverage for EC Tag review process during Matt Broida PTO.	0.3	\$ 435.00	\$ 130.50
Brian Wei	06/20/19	Participated in meeting with J. Gonzalez (KPMG) to discuss quality assurance for the project to date (0.5) (partial attendance)	0.5	\$ 275.00	\$ 137.50
Brian Wei	06/20/19	Participated in meeting with J. Thalman, E. Scaief, D. Thayer (PG&E) to discuss gaps in conductor data (0.5).	0.5	\$ 275.00	\$ 137.50
Marcus Xu	06/20/19	Discussion regarding the data request and modeling updated with J. Thalman (PG&E). (0.5)	0.5	\$ 325.00	\$ 162.50
Gaurav Thapan-Raina	06/20/19	(0.5) Meeting with K. Loomis (PG&E) and J. White (KPMG) to review findings from the vegetation management study analyses. The discussion focused on providing K. Loomis (PG&E) the context behind the vegetation management study, a summary of key findings and a deeper discussion around specific analyses (correlation analysis of tree failure features, presentation of tree species profiles by region and statistical distributions of features such as tree height, tree age and diameter-to-breast height).	0.5	\$ 400.00	\$ 200.00
Gaurav Thapan-Raina	06/20/19	(0.5) Drafted update report for the week for C. Moreland (PG&E) to highlight accomplishments for the week of June 17-21 and upcoming project activities.	0.5	\$ 400.00	\$ 200.00
Gaurav Thapan-Raina	06/20/19	(0.5) Met with J. Gonzalez, J. White, D. Ross (KPMG) to present an overview of the asset risk modeling and vegetation management workstreams to J. Gonzalez and determine any additional support that can be provided to PG&E in its objectives to mitigate tree failure impacts on assets.	0.5	\$ 400.00	\$ 200.00
Gaurav Thapan-Raina	06/20/19	(0.5) Met with K. Loomis (PG&E) and L. Cai (KPMG) to discuss Tree Assessment Tool (TAT) modification updates; presented the new features in the Excel component of the tool that included drop-down options for regions and tree species per region, scoring options and additional features (terrain, slope and splices); agreed on timeframe for revised dataset (i.e., data to be analyzed starting from 2008 until the present).	0.5	\$ 400.00	\$ 200.00
Matt Broida	06/20/19	(.5) Participated in EC tag bi-weekly huddle to provide KPMG input to tool and process for on-going support with J.C. Mathieson, P. McCabe (PG&E), D. Cha (KPMG), B Tuffley (B&V).	0.5	\$ 435.00	\$ 217.50
David Ross	06/20/19	.6 Call with J. Gonzalez, J. White, G. Thapan (KPMG) to discuss quality assurance for work conducted to date for PG&E. (partial attendance)	0.6	\$ 400.00	\$ 240.00
David Ross	06/20/19	.6 Meeting with J. Thalman, S. Adderly (PG&E), M. Xu, B. Wei (KPMG) to discuss status of distribution risk model and obtain consensus on missing data sets and progress goals for the coming week.	0.6	\$ 400.00	\$ 240.00

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Name	Date	Description	Hours	Rate	Amount
Brian Wei	06/20/19	Created a dictionary that describes the variables within the risk reduction model (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/20/19	Updated the risk reduction model documentation as of 6/20 (1.0).	1.0	\$ 275.00	\$ 275.00
David Ross	06/20/19	.7 Call with J. Thalman, E. Scaief, D. Thayer (PG&E), J. White (PG&E) to discuss conductor data for use in distribution risk model and what conductor attributes lead to failure	0.7	\$ 400.00	\$ 280.00
Marcus Xu	06/20/19	Discussion regarding the conductor data modeling methodology with the PG&E conductor team of B. Wei, J. White (KPMG), J. Thalman (PG&E). (1.0)	1.0	\$ 325.00	\$ 325.00
Marcus Xu	06/20/19	Reviewed the OPW data and attempted to link to the asset level data (1.0)	1.0	\$ 325.00	\$ 325.00
David Ross	06/20/19	.4 Call with P. McCabe (PG&E) and M. Broida (KPMG) to discuss Electric Compliance tag process and milestones for the coming two weeks .5 Prepare for meeting with PG&E quantitative team by reviewing formulas and methodologies in distribution risk model.	0.9	\$ 400.00	\$ 360.00
Lucy Cai	06/20/19	(1.5) Ran R-Tag workflow to determine which structures that do not have certain ratings but are are tagged as an R-Tag.	1.5	\$ 275.00	\$ 412.50
Brian Wei	06/20/19	Created an Excel workbook to calculate the probability of certain events coming from the outage data (1.5).	1.5	\$ 275.00	\$ 412.50
Brian Wei	06/20/19	Participated in meeting with B. Wong, Y. Oum, V. Loh, J. Thalman (PG&E), J. White, D. Ross, M. Xu (KPMG) to discuss the methodology behind the probability of failure of assets and how to update them based on EC tag (1.5).	1.5	\$ 275.00	\$ 412.50
Lucy Cai	06/20/19	(1.7) Began mapping outage with GNT data from 2004 to HFTD areas.	1.7	\$ 275.00	\$ 467.50
Jonathan White	06/20/19	Distribution risk model probability review with J. Thalman, Y. Oum, V. Loh (PG&E), M. Xu, B. Wei, D. Ross (KPMG). (1.0)	1.0	\$ 475.00	\$ 475.00
Marcus Xu	06/20/19	Discussion regarding the modeling methodology with the internal Quality Assurance team of J. White, D. Ross, Y. Fu, J. Gonzales (KPMG). (1.5)	1.5	\$ 325.00	\$ 487.50
Marcus Xu	06/20/19	Discussion regarding the probability formula with PG&E's quantitative team of J. White, D. Ross, B. Wei (KPMG), J. Thalman, Y. Oum (PG&E). (1.5)	1.5	\$ 325.00	\$ 487.50
Lucy Cai	06/20/19	(1.8) Modified slide comparing various tree testing tools to include an additional column for an additional tool.	1.8	\$ 275.00	\$ 495.00
Brian Wei	06/20/19	Updated grouped data workflow to include time as well as new naming convention (2.0).	2.0	\$ 275.00	\$ 550.00
Lucy Cai	06/20/19	(2.1) Ran bundling workflow to bundle all pending transmission notifications into clusters based on location / type of work needed.	2.1	\$ 275.00	\$ 577.50
Matt Broida	06/20/19	(1.4) Completed initial white paper outlining required documentation to explain PG&E approach to vegetation management in HFTDs to transition to G. Thapan-Raina (KPMG).	1.4	\$ 435.00	\$ 609.00

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Name	Date	Description	Hours	Rate	Amount
Matt Broida	06/20/19	(1.5) Participated in Dx Risk Model to help determine what data would be required to utilize the probability formula identified by Y. Oum, V. Loh, J. Thalman (PG&E), D. Ross, M. Xu, B. Wei (KPMG).	1.5	\$ 435.00	\$ 652.50
David Ross	06/20/19	Research / analyze Bayesian formula focusing on suitability for using this methodology as the asset condition modifier for the distribution risk model	2.0	\$ 400.00	\$ 800.00
Marcus Xu	06/20/19	Continue, as of 06/20/19, to update the workflow to transform the SOPP output into probability, concurrently integrating into the current model. (2.5)	2.5	\$ 325.00	\$ 812.50
Gaurav Thapan-Raina	06/20/19	(2.1) Prepared detailed gap analysis report on the benchmarking across the US Department of Agriculture (USDA) and ISA (International Society of Arboriculture) tree hazard and risk assessment methodologies. Summarized key findings and reviewed various academic publications on tree assessment methodologies.	2.1	\$ 400.00	\$ 840.00
David Ross	06/20/19	Meeting with Y Oum, V. Loh (PG&E), J. White, B. Wei, M. Xu (KPMG) to discuss and analyze formulas and methodologies underlying distribution risk model	2.1	\$ 400.00	\$ 840.00
Jonathan White	06/20/19	Managing director review of Vegetation study current findings documentation. (2.0)	2.0	\$ 475.00	\$ 950.00
Jonathan White	06/20/19	Task 1 vegetation and probability model risk review with J. Gonzalez, Y. Fu, D. Ross, G. Thapan-Rana (KPMG). (2.5)	2.5	\$ 475.00	\$ 1,187.50
Gaurav Thapan-Raina	06/20/19	(3.7) Continued preprocessing of outage / GNT data, commenced updating tree outage failure analyses and initiated formal documentation process of methodologies employed for preprocessing and analyzing the datasets; reviewed initial drafts of modified Tree Assessment Tool (TAT) incorporating historical data on failure causes by tree species by region based on revised datasets and analyses outputs.	3.7	\$ 400.00	\$ 1,480.00
Preston Devaney	06/21/19	PG&E 6/21 status call for updates / status / new requests with R. Squalli Houssaini, C. Gallagher, C. Whitten, A. Irwin (KPMG), B. Wong, T. Bowdey (PG&E).	0.2	\$ 275.00	\$ 55.00
Cy Whitten	06/21/19	PG&E 6/21 status call for updates / status / new requests with R. Squalli Houssaini, C. Gallagher, C. Whitten, A. Irwin (KPMG), B. Wong, T. Bowdey (PG&E).	0.2	\$ 325.00	\$ 65.00
Adrian Irwin	06/21/19	PG&E 6/21 status call for updates / status / new requests with R. Squalli Houssaini, C. Gallagher, A. Irwin (KPMG), B. Wong, T. Bowdey (PG&E).	0.2	\$ 325.00	\$ 65.00
Cole Gallagher	06/21/19	PG&E 6/21 status call for updates / status / new requests with R. Squalli Houssaini, C. Gallagher, C. Whitten, A. Irwin (KPMG), B. Wong, T. Bowdey (PG&E).	0.2	\$ 325.00	\$ 65.00
Cole Gallagher	06/21/19	Correct tail-average breakage from updates to code formatting.	0.2	\$ 325.00	\$ 65.00

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Name	Date	Description	Hours	Rate	Amount
Cy Whitten	06/21/19	Draft email with master driver file and transmission outage file to D. Pant and Y. Oum (PG&E) with updates made as of 06/21/19.	0.2	\$ 325.00	\$ 65.00
Cole Gallagher	06/21/19	Package / distribute code with commentary to the PG&E team.	0.2	\$ 325.00	\$ 65.00
Rita Squalli Houssaini	06/21/19	PG&E 6/21 status call for updates / status / new requests with R. Squalli Houssaini, C. Gallagher, A. Irwin (KPMG), B. Wong, T. Bowdey (PG&E).	0.2	\$ 400.00	\$ 80.00
Rita Squalli Houssaini	06/21/19	Prepare for my visit at PG&E on Wednesday June 26th by confirming with B. Wong and Y. Oum (PG&E) as well as drafting detailed project plan.	0.3	\$ 400.00	\$ 120.00
Cole Gallagher	06/21/19	Apply PEP8 styling to riskscore.py file.	0.4	\$ 325.00	\$ 130.00
Cole Gallagher	06/21/19	Incorporate general commentary to files to improve readability / understanding of functions.	0.4	\$ 325.00	\$ 130.00
Preston Devaney	06/21/19	Call including C. Gallagher, R. Squalli Houssaini, K. McNamara (KPMG) to review progress and open items on Task 3 before sending to B. Wong (PG&E).	0.5	\$ 275.00	\$ 137.50
Gustavo Garcia	06/21/19	Meeting for Pole Integrity Assessment Huddle with J. Birch, T. Pazdan, L. Burson-Thomas, J.C. Mathieson, B. Nugent (PG&E), S. Stoddard (KPMG).	0.5	\$ 275.00	\$ 137.50
Arun Mani	06/21/19	Clarifying phone calls / emails to team members (KPMG - K. McNamara / S. Stoddard / T. Schenk), concurrently updating workpapers.	0.3	\$ 500.00	\$ 150.00
Adrian Irwin	06/21/19	Discuss status of PG&E requests as of 06/21/19 at Web Application Development Meeting; A. Irwin, C. Toribio, M. Martin (KPMG)	0.5	\$ 325.00	\$ 162.50
Carlo Toribio	06/21/19	Discuss status of PG&E requests as of 06/21/19 at Web Application Development Meeting; A. Irwin, C. Toribio, M. Martin (KPMG)	0.5	\$ 325.00	\$ 162.50
Cole Gallagher	06/21/19	Call including R. Squalli Houssaini, P. Devaney, K. McNamara (KPMG) to review progress and open items on Task 3 before sending to B. Wong (PG&E).	0.5	\$ 325.00	\$ 162.50
Jason Weng	06/21/19	Attended 6/21 call led by G. Race (PG&E) EC tag Internal Estimating and Design report, focusing on high priority tags as well as providing data analytic support as requested.	0.5	\$ 325.00	\$ 162.50
Cy Whitten	06/21/19	Reviewed distribution outage data file for SAIDI field based on feedback from M. Camara (PG&E) regarding the SAIDI calculation.	0.5	\$ 325.00	\$ 162.50
Cole Gallagher	06/21/19	Test for regression by analyzing output files at each step of code re-formatting.	0.5	\$ 325.00	\$ 162.50
Kyle McNamara	06/21/19	Communication with G. Armstrong (KPMG) to discuss project status as of 6/21.	0.4	\$ 435.00	\$ 174.00
Mark Martin	06/21/19	Discuss status of PG&E requests as of 06/21/19 at Web Application Development Meeting; A. Irwin, C. Toribio, M. Martin (KPMG)	0.5	\$ 400.00	\$ 200.00
Rita Squalli Houssaini	06/21/19	Draft email to send Task 3 weekly status report to B. Wong and Y. Oum (PG&E).	0.5	\$ 400.00	\$ 200.00
Rita Squalli Houssaini	06/21/19	Prepare for 06/21/19 Task 3 status meeting by reviewing the detailed plan along with current status of all items in Task 3.	0.5	\$ 400.00	\$ 200.00

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Name	Date	Description	Hours	Rate	Amount
Rita Squalli Houssaini	06/21/19	Call including C. Gallagher, P. Devaney, K. McNamara (KPMG) to review progress and open items on Task 3 before sending to B. Wong (PG&E).	0.5	\$ 400.00	\$ 200.00
Mark Martin	06/21/19	Update, as of 06/21/19, the bar graph for the projects view focusing on adjusting bar colors utilizing the Charts.js JavaScript library.	0.5	\$ 400.00	\$ 200.00
Kyle McNamara	06/21/19	Call including R. Squalli Houssaini, C. Gallagher, P. Devaney (KPMG) to review progress and open items on Task 3 before sending to B. Wong (PG&E).	0.5	\$ 435.00	\$ 217.50
Scott Stoddard	06/21/19	Meeting for Pole Integrity Assessment Huddle with J. Birch, T. Pazdan, L. Burson-Thomas, J.C. Mathieson, B. Nugent (PG&E), G. Garcia (KPMG).	0.5	\$ 435.00	\$ 217.50
Scott Stoddard	06/21/19	Meeting led by K. McNamara (KPMG) with A. Mani (Engagement Partner), K. McNamara (Engagement Director), J. White (Task 1 Team Lead), R. Tucker (Task 3 Team Lead), T. Schenk (Task 3 Team Lead Account) to review and address program status, schedules, issues, risks.	0.5	\$ 435.00	\$ 217.50
Tom Schenk	06/21/19	Meeting led by K. McNamara (KPMG) with A. Mani (Engagement Partner), K. McNamara (Engagement Director), J. White (Task 1 Team Lead), S. Stoddard (Task 2 Team Lead), R. Tucker (Task 3 Team Lead), to review and address program status, schedules, issues, risks.	0.5	\$ 435.00	\$ 217.50
Mark Ehrhardt	06/21/19	Per client request, attend Task 3 status call with B. Wong (PG&E) and K. McNamara, K. Caron, T. Schenk, M. Ehrhardt, C. Gallagher, P. Devaney (KPMG) to provide the current overview of task 3 status.	0.5	\$ 435.00	\$ 217.50
Gustavo Garcia	06/21/19	Updated Pole Integrity Process Overview Slide to incorporate J. Birch's (PG&E) comments (.7) and sent to J. Birch, M. Esguerra, and L. Burson (PG&E) (.1).	0.8	\$ 275.00	\$ 220.00
Mark Martin	06/21/19	Update, as of 06/21/19, the bar graph for the projects view focusing on adjusting the bar widths utilizing the Charts.js JavaScript library.	0.6	\$ 400.00	\$ 240.00
Jason Weng	06/21/19	Investigated estimating online dashboard discrepancy provided by S. Burkeland (PG&E).	0.8	\$ 325.00	\$ 260.00
Cy Whitten	06/21/19	Meeting with D. Pant and Y. Oum (PG&E) to discuss updates made to master driver file based on feedback from Y. Oum.	0.8	\$ 325.00	\$ 260.00
Tom Schenk	06/21/19	Reviewing documentation from discussion with C. Gallagher and P. Devaney (KPMG) regarding feedback received from Y. Oum (PG&E), R. Squalli Houssaini, T. Schenk, C. Gallagher, P. Devaney, and K. McNamara (KPMG).	0.6	\$ 435.00	\$ 261.00
Mark Martin	06/21/19	Update, as of 06/21/19, the bar graph for the projects view, including adjusting the position of the graph title utilizing the Charts.js JavaScript library.	0.7	\$ 400.00	\$ 280.00
Jason Weng	06/21/19	Call with S. Li (PG&E) to discuss online dashboard reporting issue and direction of future reports.	0.9	\$ 325.00	\$ 292.50

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Name	Date	Description	Hours	Rate	Amount
Kyle McNamara	06/21/19	Call with A. Mani (KPMG) to discuss project status, as of 6/21, plan for next week.	0.7	\$ 435.00	\$ 304.50
Kyle McNamara	06/21/19	Perform final updates, as of 06/21/19, to the PG&E status report before sending to A. Mani (KPMG).	0.7	\$ 435.00	\$ 304.50
Phillip Prombo	06/21/19	Updates, as of 06/21/19, to the Tableau / Cloud Remote Desktop setup.	0.8	\$ 400.00	\$ 320.00
Cy Whitten	06/21/19	Meeting with D. Pant (PG&E) to update both transmission outage file from Y. Oum (PG&E) and master driver file based on feedback from Y. Oum.	1.0	\$ 325.00	\$ 325.00
Jason Weng	06/21/19	Updated daily CGI (Can't Get In) report with data from 6/19/19 (.9) and issued to KMG team for review (.1).	1.0	\$ 325.00	\$ 325.00
Jason Weng	06/21/19	Validated CGI (Can't Get In) reports for data alignment (.9) and provided findings to M. Agarwal (PG&E) for resolution (.1).	1.0	\$ 325.00	\$ 325.00
Daniel Elmlblad	06/21/19	1.0 - Continue, as of 6/21, to reference rebuttal documentation, prior testimony to prepare to develop rebuttal testimony for PG&E	1.0	\$ 325.00	\$ 325.00
Arun Mani	06/21/19	Call with K. McNamara (KPMG) to discuss project status, as of 6/21, plan for next week.	0.7	\$ 500.00	\$ 350.00
Cole Gallagher	06/21/19	Apply PEP8 styling to risk.py file.	1.1	\$ 325.00	\$ 357.50
Mark Martin	06/21/19	Incorporate Redux, a state management library, for react (the development library) that we are utilizing to help create the web application.	1.0	\$ 400.00	\$ 400.00
Preston Devaney	06/21/19	Update, as of 06/21/19, the unit testing code to account for the changes in style / method naming.	1.5	\$ 275.00	\$ 412.50
Cy Whitten	06/21/19	Continue, as of 06/21/19, to update the master driver file / transmission outage file based on discussion with D. Pant and Y. Oum (PG&E).	1.3	\$ 325.00	\$ 422.50
Scott Stoddard	06/21/19	Review, concurrently updating the weekly KPMG Task 2 status update for distribution to PG&E.	1.0	\$ 435.00	\$ 435.00
Arun Mani	06/21/19	Partner review of testing over portions of the Task 3 analysis that was performed.	0.9	\$ 500.00	\$ 450.00
Rita Squalli Houssaini	06/21/19	Reconcile the list of items from C. Gallagher and P. Devaney (KPMG) with the one from B. Wong (PG&E) to have a complete list of items with status /categories / comments from KPMG (1.1) and send to the (PG&E / (KPMG) teams (.1).	1.2	\$ 400.00	\$ 480.00
Gustavo Garcia	06/21/19	Continue, as of 06/21/19, updating data analytics on the severity risk scoring spreadsheet.	2.3	\$ 275.00	\$ 632.50
Cole Gallagher	06/21/19	Apply PEP8 styling to samplpy.py file.	2.0	\$ 325.00	\$ 650.00
Arun Mani	06/21/19	Partner review of Task 3 workpapers, as of 6/21, concurrently providing comments.	1.4	\$ 500.00	\$ 700.00
Gustavo Garcia	06/21/19	Merge, concurrently mapping circuit protection zone data to SAP Equipment IDs for pole integrity scope.	2.6	\$ 275.00	\$ 715.00
Cy Whitten	06/21/19	Review transmission outage file for updated driver / subdriver descriptions to answer questions from Y. Oum (PG&E) regarding underlying data.	2.2	\$ 325.00	\$ 715.00
Dennis Cha	06/21/19	Continue, as of 06/21/19, developing operationalized status update template slide 1 focusing on visualization / review metrics / throughput / cycle time metrics.	3.1	\$ 275.00	\$ 852.50

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Name	Date	Description	Hours	Rate	Amount
Adrian Irwin	06/21/19	Updating Admin views for controlling account (user) role flags, concurrently uploading default (AKA global) input template upload form.	3.3	\$ 325.00	\$ 1,072.50
Carlo Toribio	06/21/19	Updating, as of 06/21/19, the bow-tie page skeleton focusing on the grid.	3.6	\$ 325.00	\$ 1,170.00
Carlo Toribio	06/21/19	Updating, as of 06/21/19, the bow-tie page skeleton the general functionality focusing on the outcomes section.	3.9	\$ 325.00	\$ 1,267.50
Mark Martin	06/21/19	Incorporate the service hooks to connect the bar graph to a remote data source utilizing the Charts.js JavaScript library / JavaScript.	3.7	\$ 400.00	\$ 1,480.00
Brian Wei	06/21/19	Met with J. Thalman (PG&E) and M. Xu (KPMG) to discuss updates to risk reduction model as of 6/21 (0.5).	0.5	\$ 275.00	\$ 137.50
Brian Wei	06/21/19	Updated data sources log, as of 6/21, for risk reduction model (0.5).	0.5	\$ 275.00	\$ 137.50
Marcus Xu	06/21/19	Discussion regarding the modeling update with J. Mahoney (KPMG). (0.5)	0.5	\$ 325.00	\$ 162.50
Brian Wei	06/21/19	Performed analysis to calculate species count segmented by division (0.8).	0.8	\$ 275.00	\$ 220.00
Brian Wei	06/21/19	Met with M. Xu (KPMG) to discuss methods to incorporate vegetation data in the probability calculation (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/21/19	Performed analysis to calculate system-wide probability of failure from vegetation data (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/21/19	Summarized distribution outage data to assets from the master outage data (1.0).	1.0	\$ 275.00	\$ 275.00
Marcus Xu	06/21/19	Discussion / analysis regarding the Vegetation Modifier with B. Wei (KPMG). (1.0)	1.0	\$ 325.00	\$ 325.00
Marcus Xu	06/21/19	Modified the outage mapped to asset in Excel spreadsheet . (1.0)	1.0	\$ 325.00	\$ 325.00
Marcus Xu	06/21/19	Review the GNT data / outage data, concurrently mapping the data. (1.0)	1.0	\$ 325.00	\$ 325.00
Brian Wei	06/21/19	Performed analysis to calculate expected probability of failure caused by vegetation segmented by division (1.2).	1.2	\$ 275.00	\$ 330.00
Gaurav Thapan-Raina	06/21/19	(1.0) Finalized preparation of detailed gap analysis on tree risk/hazard assessment methodologies to be reviewed by PG&E Vegetation Management stakeholders prior to being validated by external stakeholders.	1.0	\$ 400.00	\$ 400.00
Gaurav Thapan-Raina	06/21/19	(1.0) Reviewed updated exploratory data analysis (EDA) based on revised dataset – specifically the regional-based analyses on causes of tree species failure, terrain features, extent of tree lean, tree health, wire down observations.	1.0	\$ 400.00	\$ 400.00
Marcus Xu	06/21/19	Perform analysis regarding the method to include vegetation probability into the current model. (1.5)	1.5	\$ 325.00	\$ 487.50
Lucy Cai	06/21/19	(2.1) Isolated outages that were caused by GNTs during certain months in HFTD areas in order to create slides.	2.1	\$ 275.00	\$ 577.50
Lucy Cai	06/21/19	(2.2) Created slides by region to showcase top 10 tree species that experienced outages per region by cause.	2.2	\$ 275.00	\$ 605.00

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Name	Date	Description	Hours	Rate	Amount
Lucy Cai	06/21/19	(2.6) Continue, as of 06/21/19, mapping of all outage with GNT data from 2004 to 2019 to HFTD areas.	2.6	\$ 275.00	\$ 715.00
Gaurav Thapan-Raina	06/21/19	(2.2) Conducted Principal Component Analysis (PCA) on the unified outage and GNT dataset to assess key variables that were most relevant to predicting the probability of an GNT or non-GNT related outage; reviewed the correlation/relevance of each feature in the dataset to determine whether it should be included in the predictive analytics algorithms to be developed.	2.2	\$ 400.00	\$ 880.00
Marcus Xu	06/21/19	Developed the Vegetation probability calculation in the Excel / Alteryx. (3.0)	3.0	\$ 325.00	\$ 975.00
David Ross	06/21/19	Update distribution risk model scope and methodology document with new methodologies for each probability and modifier calculation for review by PG&E	3.4	\$ 400.00	\$ 1,360.00
Gaurav Thapan-Raina	06/21/19	(3.8) Conducted predictive analytics (logistic regression, random forest classification) and dimensionality reduction analyses on revised dataset for purposes of comparing outcomes with earlier predictive analytics results and gauge any differences due to a larger dataset and sample sizes for GNT and non-GNT related outages; Deployed additional machine learning algorithms on the Python platform for purposes of cross-validating predictive accuracy of the logistic regression and random forest models as well as validating the outcomes of the dimensionality reduction analyses.	3.8	\$ 400.00	\$ 1,520.00
Preston Devaney	06/24/19	Call with C. Gallagher (KPMG) to review initial excel parser object functionality and scope debug file generation	0.2	\$ 275.00	\$ 55.00
Cole Gallagher	06/24/19	Call with P. Devaney (KPMG) to review initial excel parser object functionality and scope debug file generation.	0.2	\$ 325.00	\$ 65.00
Kyle McNamara	06/24/19	Draft email correspondence with D. Mahe-Torres (PG&E) to schedule time with S. Singh (PG&E) to review updated task roadmaps.	0.2	\$ 435.00	\$ 87.00
Adrian Irwin	06/24/19	Cross-team check-in for updates / status / requests, as of 06/24/19, with B. Wong (PG&E).	0.3	\$ 325.00	\$ 97.50
Cole Gallagher	06/24/19	Design excel parser object attributes / methods as deemed necessary for functionality.	0.4	\$ 325.00	\$ 130.00
Dennis Cha	06/24/19	Began drafting Alteryx workflow / spreadsheet for individual tag risk scoring tranches by circuit to gather insights on tag-aggregate circuit risk.	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/24/19	Discussion and review of action items as of 6/24 with J.C. Mathieson (PG&E).	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/24/19	Discussion regarding progress updates on B&V tag review / output and next steps with J.C. Mathieson, P. McCabe, B. Koelling, (PG&E), G. Chatha, B. Tuffley (both B&V), S. Stoddard (KPMG).	0.5	\$ 275.00	\$ 137.50

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Name	Date	Description	Hours	Rate	Amount
Dennis Cha	06/24/19	Discussion regarding status / tracking of system hardening project opportunity proposal revision by B&V and Asset Management approval with G. Chatha (B&V).	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/24/19	Discussion with R. Papa (PG&E) regarding data retrieval on REVW status for data validation on EC Tag Optimization in-scope tag designation.	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/24/19	Summarized last week's status update report and action items (.3) and followed up with P. McCabe and J. Birch (PG&E EC Optimization Program Workstream Owners) for reminder on this week's updates (.2).	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/24/19	Update EC tag review and release forecast analysis results at the request of J.C. Mathieson and L. Bayne (PG&E) (.4) and shared with them (.1).	0.5	\$ 275.00	\$ 137.50
Cole Gallagher	06/24/19	Attended Task 3 PG&E status meeting for updates / new requests, as of 06/24/19, call with Y. Oum, B. Wong, T. Bowdey, S. Jayaraman (PG&E), R. Squalli Houssaini, M. Ehrhardt, K. McNamara (KPMG).	0.5	\$ 325.00	\$ 162.50
Adrian Irwin	06/24/19	Web Application Development Meeting with C. Toribio and M. Martin (KPMG) to discuss outstanding items and status as of 06/24/19.	0.5	\$ 325.00	\$ 162.50
Carlo Toribio	06/24/19	Web Application Development Meeting with M. Martin and A. Irwin (KPMG) to discuss outstanding items and status as of 06/24/19.	0.5	\$ 325.00	\$ 162.50
Gustavo Garcia	06/24/19	Finalize updated tracker at the end of the day (.5) and send to S. Docelmascolo, C. Wong, J. Birch (PG&E), and S. Stoddard (KPMG) (.1)	0.6	\$ 275.00	\$ 165.00
Kyle McNamara	06/24/19	Prepare weekly email to the KPMG team with PG&E assignments.	0.4	\$ 435.00	\$ 174.00
Gustavo Garcia	06/24/19	Update, as of 06/24/19, POL tracker with data received from C. Wong (PG&E) in the morning.	0.7	\$ 275.00	\$ 192.50
Gustavo Garcia	06/24/19	Updated tracker with data received from C. Wong at the end of the day for inspector update	0.7	\$ 275.00	\$ 192.50
Jason Weng	06/24/19	Meeting with A. De Lago and S. Li (PG&E) to discuss current status and outstanding issues with sun setting manual Pole / EC Report.	0.6	\$ 325.00	\$ 195.00
Cole Gallagher	06/24/19	Test excel parser object's ability to consume metadata, concurrently checking against excel file.	0.6	\$ 325.00	\$ 195.00
Rita Squalli Houssaini	06/24/19	Attended Task 3 PG&E status meeting for updates / new requests, as of 06/24/19 with Y. Oum, B. Wong, T. Bowdey, S. Jayaraman (PG&E) C. Gallagher, M. Ehrhardt, K. McNamara (KPMG).	0.5	\$ 400.00	\$ 200.00
Mark Martin	06/24/19	Web Application Development Meeting with C. Toribio and A. Irwin (KPMG) to discuss outstanding items and status as of 06/24/19.	0.5	\$ 400.00	\$ 200.00
Rita Squalli Houssaini	06/24/19	Prepare for 06/24/19 Task 3 status meeting by reviewing the detailed plan along with current status of all items in Task 3.	0.5	\$ 400.00	\$ 200.00
Rita Squalli Houssaini	06/24/19	Prepare for status meeting for Task 3 by reviewing the detailed plan along with current status of all items in Task 3 as of 06/24/19.	0.5	\$ 400.00	\$ 200.00

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Name	Date	Description	Hours	Rate	Amount
Rita Squalli Houssaini	06/24/19	Review list of open items for task 3 in preparation for the PG&E visit.	0.5	\$ 400.00	\$ 200.00
Mark Ehrhardt	06/24/19	Attended Task 3 PG&E status meeting for updates / new requests, as of 06/24/19 with Y. Oum, B. Wong, T. Bowdey, S. Jayaraman (PG&E), R. Squalli Houssaini, C. Gallagher, K. McNamara (KPMG).	0.5	\$ 435.00	\$ 217.50
Kyle McNamara	06/24/19	Attended Task 3 PG&E status meeting for updates / new requests, as of 06/24/19 with Y. Oum, B. Wong, T. Bowdey, S. Jayaraman (PG&E), R. Squalli Houssaini, C. Gallagher, M. Ehrhardt (KPMG).	0.5	\$ 435.00	\$ 217.50
Kyle McNamara	06/24/19	Prepare weekly status report for team input as of 06/24/19.	0.5	\$ 435.00	\$ 217.50
Dennis Cha	06/24/19	Develop B&V huddle board spreadsheet that tracks weekly progress with metrics (.6) and review with G. Chatha (B&V) (.2).	0.8	\$ 275.00	\$ 220.00
Jason Weng	06/24/19	Meeting with C. Fuchs and S. Li (PG&E) to discuss alternative to estimator performance measures.	0.7	\$ 325.00	\$ 227.50
Jason Weng	06/24/19	Meeting with S. Culling and R. Moolakatt (PG&E) to discuss data investigation of new pole wind loading design standards.	0.7	\$ 325.00	\$ 227.50
Dennis Cha	06/24/19	Continue, as of 06/24/19, developing operationalized status update template slide 1 focusing on progress updates / review metrics / throughput / cycle time metrics.	0.9	\$ 275.00	\$ 247.50
Gustavo Garcia	06/24/19	Meeting with C. Wong (PG&E) regarding mapping of EC Tag Data from SAP to Pronto Form.	0.9	\$ 275.00	\$ 247.50
Jason Weng	06/24/19	Investigated Can't Get In (CGI) reporting alignment issue raised by T. Walked (PG&E).	0.8	\$ 325.00	\$ 260.00
Jason Weng	06/24/19	Revised analysis of Non-pole FDA (Facility / Damage / Activity) analysis based on feedback from S. Cullings and R. Moolakatt (PG&E).	0.8	\$ 325.00	\$ 260.00
Kyle McNamara	06/24/19	Update, as of 06/24/19, the project financials workbook with prior week actuals.	0.6	\$ 435.00	\$ 261.00
Dennis Cha	06/24/19	Discussion regarding recap and next steps / action items on the outline for operational controls plan with J.C. Mathieson (PG&E).	1.0	\$ 275.00	\$ 275.00
Jason Weng	06/24/19	Discussion regarding Work Planning business requirements for new Bucket Report replacement with R. Papa (PG&E).	0.9	\$ 325.00	\$ 292.50
Cole Gallagher	06/24/19	Enter excel input worksheet metadata for consumption by Python excel parser object.	0.9	\$ 325.00	\$ 292.50
Cole Gallagher	06/24/19	Review pandas excel parser functionality documentation in preparation for development of excel parser object.	0.9	\$ 325.00	\$ 292.50
Gustavo Garcia	06/24/19	Assessed the EC Tag received by R. Papa (PG&E) for scaling severity score to entire pole integrity scope.	1.1	\$ 275.00	\$ 302.50
Carlo Toribio	06/24/19	Meeting with A. Estacio and M. Martin (KPMG) to review the full user work flows of the Line of Business, Cross Cutter and Investment Planner.	1.0	\$ 325.00	\$ 325.00
Cole Gallagher	06/24/19	Create / draft method to clean parsed excel tables in Python code.	1.0	\$ 325.00	\$ 325.00

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Name	Date	Description	Hours	Rate	Amount
Scott Stoddard	06/24/19	Discussion regarding progress updates on B&V tag review / output and next steps with J.C. Mathieson, P. McCabe, B. Koelling, (PG&E), G. Chatha, B. Tuffley (both B&V), S. Stoddard (KPMG).	0.8	\$ 435.00	\$ 348.00
Jason Weng	06/24/19	Attended call led by S. Li (PG&E) with R. Moolakatt (PG&E), J. Brisky (PG&E), S. Burkland (PG&E) to review draft of monthly Internal Estimating and Design performance repo to support development of management reporting requirements.	1.1	\$ 325.00	\$ 357.50
Jason Weng	06/24/19	Performed preliminary analysis of non-pole FDA (Facility / Damage / Activity) EC notification combinations that may be impacted by new wind loading standard under the direction of S. Cullings (PG&E).	1.2	\$ 325.00	\$ 390.00
Carlo Toribio	06/24/19	Testing features implemented into the bow tie.	1.2	\$ 325.00	\$ 390.00
Mark Martin	06/24/19	Meeting with A. Estacio and C. Toribio (KPMG) to review the full user work flows of the Line of Business, Cross Cutter and Investment Planner.	1.0	\$ 400.00	\$ 400.00
Aldryn Estacio	06/24/19	Meeting with C. Toribio and M. Martin (KPMG) to review the full user work flows of the Line of Business, Cross Cutter and Investment Planner.	1.0	\$ 400.00	\$ 400.00
Rita Squalli Houssaini	06/24/19	Reviewed materials for Task 4 in preparation for the Public Advocate testimony for Chapter 2A.	1.0	\$ 400.00	\$ 400.00
Rita Squalli Houssaini	06/24/19	Reviewed status report from previous week for all tasks and in details for task 3.	1.0	\$ 400.00	\$ 400.00
Dennis Cha	06/24/19	Reviewed tag review and execution forecast analysis criteria, workflow, output with G. Hoffman (PG&E), S. Stoddard (KPMG)	1.5	\$ 275.00	\$ 412.50
Jason Weng	06/24/19	Updated daily CGI (Can't Get In) report with data from 6/19/19 (1.2) and issued to KPMG team for review (.1).	1.3	\$ 325.00	\$ 422.50
Mark Martin	06/24/19	Creating the Tranche table in the application focusing on the columns in the table.	1.1	\$ 400.00	\$ 440.00
Carlo Toribio	06/24/19	Creating mock data to test the features implemented into the bow tie at this time	1.4	\$ 325.00	\$ 455.00
Gustavo Garcia	06/24/19	Meeting with J. Birch to review EC Tag Data on SAP and Pronto Form from POL Inspections in effort to find a way to map the tags.	1.8	\$ 275.00	\$ 495.00
Preston Devaney	06/24/19	Update, as of 06/24/19, the sampling class to output the number of events for each consequence.	1.8	\$ 275.00	\$ 495.00
Cole Gallagher	06/24/19	Test excel parser functionality with test input sheet.	1.6	\$ 325.00	\$ 520.00
Dennis Cha	06/24/19	Attended EC Tag Operational Controls to recap on regulatory meetings and leadership updates and initiate outline for operational controls plan for past due tags, as of 06/24/19, with R. Beasla, A. Branches, A. Dashner, M. Esguerra, R. Movafagh, J.C. Mathieson (PG&E)	2.0	\$ 275.00	\$ 550.00
Preston Devaney	06/24/19	Update the risk class to output a test file to compare results to the input parameters.	2.0	\$ 275.00	\$ 550.00

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Name	Date	Description	Hours	Rate	Amount
Carlo Toribio	06/24/19	Update, as of 06/24/19, the bow tie for functionality.	1.7	\$ 325.00	\$ 552.50
Scott Stoddard	06/24/19	Prepare Alignment of Pole Integrity Scope / updates / requests for G. Garcia and D. Cha (KPMG).	1.5	\$ 435.00	\$ 652.50
Scott Stoddard	06/24/19	Reviewed tag review and execution forecast analysis criteria, workflow, output with G. Hoffman (PG&E), D. Cha (KPMG).	1.5	\$ 435.00	\$ 652.50
Kyle McNamara	06/24/19	Update, as of 06/24/19, the Task 1-5 roadmaps as well as deliverables to address request from S. Singh (PG&E).	1.5	\$ 435.00	\$ 652.50
Gustavo Garcia	06/24/19	Perform Data analysis of SAP EC Tag Data received from L. LoGrande (PG&E) (1.3) and Pronto Form Data from C. Wong (PG&E) (1.2).	2.5	\$ 275.00	\$ 687.50
Carlo Toribio	06/24/19	Continue, from earlier in the day, to update the bow tie for functionality.	2.2	\$ 325.00	\$ 715.00
Cole Gallagher	06/24/19	Develop code to extrapolate base-year input data over the life of the model.	2.3	\$ 325.00	\$ 747.50
Scott Stoddard	06/24/19	Attended EC Tag Operational Controls to recap on regulatory meetings and leadership updates and initiate outline for operational controls plan for past due tags, as of 06/24/19, with R. Beasla, A. Branches, A. Dashner, M. Esguerra, R. Movafagh, J.C. Mathieson (PG&E) and D. Cha (KPMG).	2.0	\$ 435.00	\$ 870.00
Aldryn Estacio	06/24/19	Documented GIT pull process which retrieves the latest build from the server in order to design audit.	2.3	\$ 400.00	\$ 920.00
Aldryn Estacio	06/24/19	Designed screens for development (404 page, screen loaders, dropdowns, icons).	2.7	\$ 400.00	\$ 1,080.00
Mark Martin	06/24/19	Creating the Tranche table in the application focusing on the renderers for each data cell, concurrently styling the data cells utilizing JavaScript (a web development language).	2.8	\$ 400.00	\$ 1,120.00
Mark Martin	06/24/19	Update, as of 06/24/19, the bar graph for the projects view utilizing the Charts.js JavaScript library (JavaScript a development language).	2.9	\$ 400.00	\$ 1,160.00
Adrian Irwin	06/24/19	Perform detailed walk-through of the bow-tie component as well as action items identified for the development team.	3.6	\$ 325.00	\$ 1,170.00
Adrian Irwin	06/24/19	Incorporate FFDINWeb font (from PG&E's main site), concurrently centralizing some global font stylings.	3.7	\$ 325.00	\$ 1,202.50
Brian Wei	06/24/19	Discussed with D. Ross (KPMG) options to include vegetation to risk reduction model (0.5).	0.5	\$ 275.00	\$ 137.50
Brian Wei	06/24/19	Participated in meeting with S. Adderly, J. Thalman (PG&E), D. Ross (KPMG) regarding progress on the risk reduction model as of 6/24(0.5).	0.5	\$ 275.00	\$ 137.50
David Ross	06/24/19	.4 Meeting with J. Thalman, S. Adderly (PG&E), B. Wei (KPMG) to discuss status of distribution risk model and determine additional datasets required from PG&E	0.4	\$ 400.00	\$ 160.00

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Name	Date	Description	Hours	Rate	Amount
Gaurav Thapan-Raina	06/24/19	(0.5) Discussed new round of modifications with K. Loomis (PG&E) to the Enhanced Vegetation Management Tree Assessment Tool (EVM-TAT). Key modifications included updating the fire risk rating scoring matrix and historical failure cause data for each tree type by region.	0.5	\$ 400.00	\$ 200.00
Tia Mason	06/24/19	Created the layout which will be used to document the vegetation workstream.	1.0	\$ 325.00	\$ 325.00
Lucy Cai	06/24/19	(1.2) Create slides indicating number of outages / GNTs per PG&E region / top 10 species per region / number of GNTs that each species caused.	1.2	\$ 275.00	\$ 330.00
Brian Wei	06/24/19	Created a new Alteryx workflow to update mapping, as of 6/24, of assets to protection zones (1.4).	1.4	\$ 275.00	\$ 385.00
Brian Wei	06/24/19	Begin Alteryx workflow to incorporate vegetation probability of failure calculations to risk reduction model (1.5).	1.5	\$ 275.00	\$ 412.50
David Ross	06/24/19	Prepare updated scope / budget estimate for requested extension by PG&E for work to support the distribution risk model and integration of model into PG&E's internal system	1.2	\$ 400.00	\$ 480.00
Brian Wei	06/24/19	Developed Excel workbook detailing options to include vegetation data to the risk reduction model (2.0).	2.0	\$ 275.00	\$ 550.00
Lucy Cai	06/24/19	(2.1) Integrate outage / GNT data from 2004 to 2019 to bring in new fields from previous years, concurrently filtering data for fire season months of May to September / labeling HFTDs by using longitude / latitude to map out in Alteryx.	2.1	\$ 275.00	\$ 577.50
Brian Wei	06/24/19	Created new Alteryx workflow to map assets to EC tag data as of 6/24 (2.1).	2.1	\$ 275.00	\$ 577.50
David Ross	06/24/19	Discussion with B. Wei (KPMG) regarding calculation of vegetation modifier in distribution risk model by incorporating vegetation data provided by PG&E	1.7	\$ 400.00	\$ 680.00
Anthony Henderson	06/24/19	Began creation of AMS document.	2.7	\$ 325.00	\$ 877.50
Tia Mason	06/24/19	Drafted the verbiage to document the vegetation workstream.	3.2	\$ 325.00	\$ 1,040.00
Lucy Cai	06/24/19	(3.9) Continue, from earlier on 6/24, to integrate outage / GNT data from 2004 to 2019 to bring in new fields from previous years, concurrently filtering data for fire season months of May to September / labeling HFTDs by using longitude / latitude to map out in Alteryx.	3.9	\$ 275.00	\$ 1,072.50
Tia Mason	06/24/19	Began collecting material needed to document processes for PG&E vegetation workstream.	3.8	\$ 325.00	\$ 1,235.00
Anthony Henderson	06/24/19	Reviewed documentation for overhead distribution GNT analysis and mitigation option.	3.9	\$ 325.00	\$ 1,267.50
Gaurav Thapan-Raina	06/24/19	(3.6) Reviewed updated analyses of top tree species by region and causes of failure by tree species based on expanded time series outage and fire GNT datasets (January 2008 to May 2019) filtered by fire season and addition of HFTDs.	3.6	\$ 400.00	\$ 1,440.00

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Gaurav Thapan-Raina	06/24/19	(3.9) Commenced documentation process for the vegetation management study as well as modifications to the Tree Assessment Tool (prepared a general outline for the documentation, commenced preparing lists of all data sources and identified relevant stakeholders).	3.9	\$ 400.00	\$ 1,560.00
David Ross	06/24/19	Analyze vegetation data provided by PG&E, concurrently testing different methodologies to calculate the probability of failure by tree species type in each division	3.9	\$ 400.00	\$ 1,560.00
Preston Devaney	06/25/19	Update the sampling class to improve the process for outputting the testing file.	0.3	\$ 275.00	\$ 82.50
Preston Devaney	06/25/19	Update, a of 06/25/19, the Task 3 scope document with new changes.	0.3	\$ 275.00	\$ 82.50
Dennis Cha	06/25/19	Prepare for biweekly huddle call by discussing PMO updates with J.C. Mathieson (PG&E) (.2) and summarizing previous huddle call (.2).	0.4	\$ 275.00	\$ 110.00
Gustavo Garcia	06/25/19	Read comments from S. Stoddard (KPMG), concurrently noting item to be incorporated into the Pole Integrity Procedure.	0.4	\$ 275.00	\$ 110.00
Phillip Prombo	06/25/19	Extract a sample set of the data model to load into Tableau to use as a template / workable sample.	0.3	\$ 400.00	\$ 120.00
Phillip Prombo	06/25/19	Loaded the sample data to the SPI / Analytics systems / the database.	0.3	\$ 400.00	\$ 120.00
Cole Gallagher	06/25/19	Test yearly escalation methodology against cross cutting multiplier tabs from input sheet.	0.4	\$ 325.00	\$ 130.00
Preston Devaney	06/25/19	Check-in call for status / updates / requests, as of 06/25/19, with T. Bowdey, V. Loh, D. Pant, S. Jayaraman, Y. Oam (PG&E), T. Schenk and A. Irwin (KPMG).	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/25/19	Attended biweekly core team huddle call with J.C. Mathieson, P. McCabe, M. Esguerra, B. Koelling (PG&E), S. Stoddard (KPMG), G. Chatha, B. Tuffley (B&V)	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/25/19	Discussion regarding SAP implementation and EC Tag Optimization data request with J.C. Mathieson and R. Papa (PG&E).	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/25/19	Updated biweekly core team huddle meeting minutes and action item tracker (.4) and distributed to the KPMG core team (.1).	0.5	\$ 275.00	\$ 137.50
Rita Squalli Houssaini	06/25/19	Prepare for meeting with J. Markland (PG&E) scheduled on Wednesday 6/26/19 by reviewing current progress for Task 3 along with current risks and issues.	0.4	\$ 400.00	\$ 160.00
Phillip Prombo	06/25/19	Inspected / scoped the data to see data received, concurrently noting how all of it could be loaded / connected into Tableau for further analysis.	0.4	\$ 400.00	\$ 160.00
Adrian Irwin	06/25/19	Check-in call for status / updates / requests, as of 06/25/19, with T. Bowdey, V. Loh, D. Pant, S. Jayaraman, Y. Oam (PG&E), T. Schenk and P. Devaney (KPMG).	0.5	\$ 325.00	\$ 162.50
Gustavo Garcia	06/25/19	POL 6/25 Huddle Meeting regarding status, outstanding items, timelines with S. Stoddard (KPMG), J. Birch, C. Wong, S. Wetters (PG&E).	0.6	\$ 275.00	\$ 165.00

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Name	Date	Description	Hours	Rate	Amount
Gustavo Garcia	06/25/19	Review the Pole Integrity Assessment deck for S. Singh's (PG&E) update with S. Stoddard (KPMG).	0.7	\$ 275.00	\$ 192.50
Gustavo Garcia	06/25/19	Updated POL tracker with data received from C. Wong (PG&E) in the morning.	0.7	\$ 275.00	\$ 192.50
Cole Gallagher	06/25/19	Identify escalation scenarios between two escalation input tables in excel input sheet.	0.6	\$ 325.00	\$ 195.00
Rita Squalli Houssaini	06/25/19	Per client request, attend Task 3 status call with B. Wong (PG&E) and M. Ehrhardt (KPMG) to provide the current overview of task 3 status.	0.5	\$ 400.00	\$ 200.00
Rita Squalli Houssaini	06/25/19	Prepare for 06/25/19 Task 3 KPMG internal bi-weekly meeting by reviewing the detailed plan as well as current status of all items in Task 3.	0.5	\$ 400.00	\$ 200.00
Rita Squalli Houssaini	06/25/19	Prepare for 06/25/19 status meeting for task 3 by reviewing the detailed plan along with current status of all items in Task 3.	0.5	\$ 400.00	\$ 200.00
Rita Squalli Houssaini	06/25/19	Status call with T. Schenk and M. Ehrhardt (KPMG) to review progress, resolve issues/risks, develop weekly status report for Task 3.	0.5	\$ 400.00	\$ 200.00
Tom Schenk	06/25/19	Check-in call for status / updates / requests, as of 06/25/19, with T. Bowdey, V. Loh, D. Pant, S. Jayaraman, Y. Oum (PG&E), T. Schenk and A. Irwin (KPMG).	0.5	\$ 435.00	\$ 217.50
Mark Ehrhardt	06/25/19	Per client request, attend Task 3 status call with B. Wong (PG&E) and R. Squalli Houssaini (KPMG) to provide the current overview of task 3 status.	0.5	\$ 435.00	\$ 217.50
Tom Schenk	06/25/19	Status call with M. Ehrhardt and R. Squalli Houssaini (KPMG) to review progress, resolve issues/risks, develop weekly status report for Task 3.	0.5	\$ 435.00	\$ 217.50
Mark Ehrhardt	06/25/19	Status call with T. Schenk and R. Squalli Houssaini (KPMG) to review progress, resolve issues/risks, develop weekly status report for Task 3.	0.5	\$ 435.00	\$ 217.50
Tom Schenk	06/25/19	Conversation with D. Ross (KPMG) regarding technical input to Task 1 to assist with building data science app based on Task 3 lessons.	0.5	\$ 435.00	\$ 217.50
Tom Schenk	06/25/19	Follow-up call with D. Ross (KPMG) to debrief on Task 1 call for analytics app development.	0.5	\$ 435.00	\$ 217.50
Scott Stoddard	06/25/19	POL Huddle Meeting regarding status, outstanding items, timelines with G. Garcia (KPMG), J. Birch, C. Wong, S. Wetters (PG&E). (partial attendance)	0.5	\$ 435.00	\$ 217.50
Jason Weng	06/25/19	Documented current ongoing reporting process in preparation of transition to PG&E.	0.7	\$ 325.00	\$ 227.50
Gustavo Garcia	06/25/19	Collaborate with J. Birch (PG&E) on developing status updates for POL huddle meeting	0.9	\$ 275.00	\$ 247.50
Dennis Cha	06/25/19	Drafted meeting minutes for EC Tag Operational Controls meeting (.8) and shared with J.C. Mathieson (PG&E) and S. Stoddard (KPMG) (.2).	1.0	\$ 275.00	\$ 275.00

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Name	Date	Description	Hours	Rate	Amount
Dennis Cha	06/25/19	Online meeting led by J. Mathieson (PG&E) to discuss the process that notifications will be released back into typical execution process from the EC Optimization Program with K. Linford, M. Amir, L. Bayne (PG&E), S. Stoddard, J. Weng (KPMG). (Providing analytical support / developing operational forecasting business needs.)	1.0	\$ 275.00	\$ 275.00
Rita Squalli Houssaini	06/25/19	Update, as of 06/25/19, the list of open items in preparation for the meeting with PG&E on Wednesday.	0.7	\$ 400.00	\$ 280.00
Dennis Cha	06/25/19	Continued developing Alteryx workflow and spreadsheet for individual tag risk scoring tranches by circuit to gather insights on tag-aggregate circuit risk	1.1	\$ 275.00	\$ 302.50
Jason Weng	06/25/19	Attended IC Work Plan Huddle call led by K. Linford (PG&E) to gain insight into work priorities of Internal Estimating.	1.0	\$ 325.00	\$ 325.00
Jason Weng	06/25/19	Online meeting led by J. Mathieson (PG&E) to discuss the process that notifications will be released back into typical execution process from the EC Optimization Program with K. Linford, M. Amir, L. Bayne (PG&E), S. Stoddard, D. Cha (KPMG). (Providing analytical support / developing operational forecasting business needs.)	1.0	\$ 325.00	\$ 325.00
Jason Weng	06/25/19	Update, as of 06/25/19, the Can't Get IN (CGI) tracking log with completed CGIs provided by P. Nowakowski (PG&E).	1.0	\$ 325.00	\$ 325.00
Dennis Cha	06/25/19	Discussion regarding Portfolio-Level review recap meeting with J.C. Mathieson (PG&E) (.3), drafted summary of meeting (.8), send to J.C. Mathieson, P. McCabe, B. Koelling (PG&E), G. Chatha, B. Tuffley (B&V) (.1).	1.2	\$ 275.00	\$ 330.00
Scott Stoddard	06/25/19	Review the Pole Integrity Assessment deck for S. Singh's (PG&E) update with G. Garcia (KPMG).	0.8	\$ 435.00	\$ 348.00
Dennis Cha	06/25/19	Began outlining content for single-slide Operational Controls plan outline at the request of M. Esguerra (PG&E).	1.3	\$ 275.00	\$ 357.50
Carlo Toribio	06/25/19	Encapsulated some reusable code for future use within Task 3 development effort.	1.1	\$ 325.00	\$ 357.50
Gustavo Garcia	06/25/19	Incorporated feedback from Pole Integrity Huddle Meeting to presentation slide	1.4	\$ 275.00	\$ 385.00
Carlo Toribio	06/25/19	Analysis regarding ability to utilize my terminal commands because my system didn't have the 'sam' process in its 'PATH' variable.	1.2	\$ 325.00	\$ 390.00
Jason Weng	06/25/19	Performed trouble shooting investigation into mis-aligned inspections between 'Complete Inspections' / 'Poles Remaining' reports.	1.2	\$ 325.00	\$ 390.00
Cole Gallagher	06/25/19	Test "esc" esc_method inputs to ensure that data is being escalated properly for tranche tab.	1.2	\$ 325.00	\$ 390.00
Gustavo Garcia	06/25/19	Continue, as of 06/25/19, the development of mapping between SAP Data / Pronto Form	1.5	\$ 275.00	\$ 412.50

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Name	Date	Description	Hours	Rate	Amount
Scott Stoddard	06/25/19	Meeting for Dry Run for Sumeet Presentation with L. Burson-Thomas, J. Birch, T. Pazdan, A. McLay, B. Nugent, W. Chung, E. Woodyard (PG&E), K. Kwong (EXYION).	1.0	\$ 435.00	\$ 435.00
Scott Stoddard	06/25/19	Online meeting led by J. Mathieson (PG&E) to discuss the process that notifications will be released back into typical execution process from the EC Optimization Program with K. Linford, M. Amir, L. Bayne (PG&E), J. Weng, D. Cha (KPMG). (Providing analytical support / developing operational forecasting business needs.)	1.0	\$ 435.00	\$ 435.00
Jason Weng	06/25/19	Update daily CGI (Can't Get In) report with data from 6/19/19 (1.4), and issued to KPMG team for review (.1).	1.5	\$ 325.00	\$ 487.50
Aldryn Estacio	06/25/19	Created a word document with redline markup descriptions to give more context to the markups.	1.3	\$ 400.00	\$ 520.00
Dennis Cha	06/25/19	Attended Portfolio-Level review recap meeting to discuss feedback, potential updates to the process, next steps and action items from the previous meeting, with J.C. Mathieson, P. McCabe, B. Koelling (PG&E), G. Chatha, B. Tuffley (B&V), S. Stoddard, D. Cha (KPMG)	2.0	\$ 275.00	\$ 550.00
Mark Martin	06/25/19	Update, as of 06/25/19, the Tranche table in the application focusing on the view styles utilizing JavaScript (a web development language).	1.6	\$ 400.00	\$ 640.00
Cole Gallagher	06/25/19	Build escalation methods for yearly scenario for tranche exposure data.	2.0	\$ 325.00	\$ 650.00
Dom Gallo	06/25/19	Reviewing preliminary data model output in advance of Tableau dashboard creation.	2.0	\$ 325.00	\$ 650.00
Scott Stoddard	06/25/19	Attended Portfolio-Level review recap meeting to discuss feedback, potential updates to the process, next steps and action items from the previous meeting, with J.C. Mathieson, P. McCabe, B. Koelling (PG&E), G. Chatha, B. Tuffley (B&V) (partial attendance)	1.5	\$ 435.00	\$ 652.50
Jason Weng	06/25/19	Update, as of 06/25/19, the Internal Estimating & Design Weekly throughput / progress reports with current EC tag data.	2.1	\$ 325.00	\$ 682.50
Gustavo Garcia	06/25/19	Development of Pole Integrity Slides for J. .Birch (PG&E).	2.5	\$ 275.00	\$ 687.50
Carlo Toribio	06/25/19	Finish the first pass of the bow tie development.	2.3	\$ 325.00	\$ 747.50
Mark Martin	06/25/19	Update, as of 06/25/19, the Tranche table in the application focusing on the position of the header elements in the table utilizing JavaScript (a web development language).	1.9	\$ 400.00	\$ 760.00
Mark Martin	06/25/19	Continue, from earlier in the day, to update the Tranche table in the application focusing on the view styles utilizing JavaScript (a web development language).	2.1	\$ 400.00	\$ 840.00
Adrian Irwin	06/25/19	Development tasks completed during the day: Minor fixes to correct Gatsby compiler warning.	2.6	\$ 325.00	\$ 845.00

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Carlo Toribio	06/25/19	Continue, as of 06/25/19, updating the styling as my system didn't have the 'sam' process in its 'PATH' variable, concurrently performing analysis for terminal commands to work as is to run the database locally.	2.9	\$ 325.00	\$ 942.50
Mark Martin	06/25/19	Continue, from earlier in the day, to update the Tranche table in the application focusing on the position of the header elements in the table utilizing JavaScript (a web development language).	2.6	\$ 400.00	\$ 1,040.00
Adrian Irwin	06/25/19	Development tasks completed during the day: Incorporate simply Node.js Express server to stand in for AWS S3 during local development.	4.4	\$ 325.00	\$ 1,430.00
Aldryn Estacio	06/25/19	Upload screenshots of current build / design audit mark-up for A. Irwin, C. Toribio and M. Martin (KPMG), concurrently marking up (redlines) Line of business user flow screens.	3.9	\$ 400.00	\$ 1,560.00
Scott Stoddard	06/25/19	Review, comment and update Version 2 of the Pole Integrity Assessment procedure.	3.7	\$ 435.00	\$ 1,609.50
Allison Smith	06/25/19	Created new output folder for 6/24's Alteryx Create Structure DB updated bundling output file	0.1	\$ 325.00	\$ 32.50
Allison Smith	06/25/19	Updated the run bundling Alteryx Create Structure DB workflow to group notifications by team responsible and categorize high priority based on the New AMS Pending Notification 06242019 file	0.1	\$ 325.00	\$ 32.50
Allison Smith	06/25/19	Executed Run Bundling Alteryx workflow to create geographic clusters for Alteryx Create Structure DB notification groups	0.2	\$ 325.00	\$ 65.00
Allison Smith	06/25/19	Reviewed PG&E Project Bundling output file created on 6/24/19 to confirm notification groupings were accurate in advance of sending to the client.	0.3	\$ 325.00	\$ 97.50
David Ross	06/25/19	.4 Meeting with J. Vos, J. Thalman (PG&E) to discuss Lidar data being collected by PG&E for vegetation and discuss potential uses of this data in the distribution risk model	0.4	\$ 400.00	\$ 160.00
David Ross	06/25/19	Meeting with P. Baker, J. Thalman (PG&E) to discuss PG&E request to build distribution risk model within PG&E's environment and determine initial technical requirements.	0.4	\$ 400.00	\$ 160.00
Gaurav Thapan-Raina	06/25/19	(0.5) Prepared draft weekly update for C. Moreland (PG&E) highlighting main accomplishments for the week (i.e., interfacing with PG&E vegetation management team on ongoing Tree Assessment Tool modifications, documentation progress on the vegetation management study and items to focus on for the upcoming weeks – liaising with academic community for feedback on the modified Tree Assessment Tool)	0.5	\$ 400.00	\$ 200.00

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Name	Date	Description	Hours	Rate	Amount
Gaurav Thapan-Raina	06/25/19	(0.5) Prepared update for J. White (KPMG) on potential external stakeholder inputs to the modified Tree Assessment Tool (TAT) and briefing on conversations with PG&E vegetation management team on the Tree Assessment Tool validation tests being carried out by tree inspectors and progress on the documentation process.	0.5	\$ 400.00	\$ 200.00
David Ross	06/25/19	.5 Call with J. Thalman, S. Adderly (PG&E), B. Wei (KPMG) to discuss status of distribution risk model and determine how to obtain missing data sets	0.5	\$ 400.00	\$ 200.00
David Ross	06/25/19	.5 Call with T. Schenk (KPMG) to discuss KPMG data analytics / Python coding capabilities to support request from PG&E to build distribution risk model within PG&E's environment	0.5	\$ 400.00	\$ 200.00
David Ross	06/25/19	.5 Follow up call with T. Schenk (KPMG) after meeting with PG&E to further discuss PG&E request to build distribution risk model within PG&E's environment and determine go forward procedures.	0.5	\$ 400.00	\$ 200.00
Brian Wei	06/25/19	Developed hypotheses to include outage-producing wind data into risk reduction model (0.8).	0.8	\$ 275.00	\$ 220.00
David Ross	06/25/19	.6 call with R. Smith, J. Thalman (PG&E), B. Wei (KPMG) to discuss conductor data set and requirements to obtain this data from PG&E's Geospatial Information System.	0.6	\$ 400.00	\$ 240.00
David Ross	06/25/19	.6 Correspond with K. Visram (PG&E) to determine requirements for obtaining data on capacitor banks, dynamic protective devices, switches, transformers, and voltage regulators.	0.6	\$ 400.00	\$ 240.00
David Ross	06/25/19	.6 Meeting with J. Thalman, S. Adderly (PG&E) to discuss requested changes by PG&E to the distribution risk model risk scoring methodology.	0.6	\$ 400.00	\$ 240.00
Brian Wei	06/25/19	Analyzed file of vegetation risk scoring of a single region sent from K. Loomis (PG&E) (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/25/19	Documented detail of methodology of incorporating vegetation modifier into risk reduction model(1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/25/19	Generated a circuit sample from the risk reduction model (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/25/19	Participated in meeting with S. Adderly, J. Thalman, R. Smith, K. Visram (PG&E), D. Ross (KPMG) to discuss progress to date on the risk reduction model (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/25/19	Update FMEA risk scoring output, as of 6/25, with updated EC tag data (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/25/19	Updated Excel analysis of how to incorporate sustained weather outages into risk reduction model (1.2).	1.2	\$ 275.00	\$ 330.00

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Name	Date	Description	Hours	Rate	Amount
Gaurav Thapan-Raina	06/25/19	(1.0) Conducted meeting with M. Frauenheim (PG&E) to discuss feedback on the modified Tree Assessment Tool from the vegetation management inspectors. The meeting discussed additional modifications to the tool based on an inspection of 305 trees by inspectors, an action plan for further validation testing of the tool in the field.	1.0	\$ 400.00	\$ 400.00
David Ross	06/25/19	Updated scope / budget for additional work requested by PG&E for future potential extension of work related to the distribution risk model for future discussions.	1.0	\$ 400.00	\$ 400.00
Brian Wei	06/25/19	Updated vegetation probability of failure calculation in Excel with new data from K. Loomis (PG&E) (1.5).	1.5	\$ 275.00	\$ 412.50
Lucy Cai	06/25/19	(1.6) Updated Tree Assessment Tool to show outage % / % of tree health automatically based off of region chosen.	1.6	\$ 275.00	\$ 440.00
David Ross	06/25/19	Review current budget for engagement with PG&E, forecasting weekly billings to ensure compliance with scope and budget for ultimate communication to PG&E	1.2	\$ 400.00	\$ 480.00
Tia Mason	06/25/19	Continue, as of 06/25/19, documenting the workflow processes for the vegetation workstream for PG&E.	1.6	\$ 325.00	\$ 520.00
Brian Wei	06/25/19	Integrate vegetation modifier into model by building Alteryx workflows (2.0).	2.0	\$ 275.00	\$ 550.00
Tia Mason	06/25/19	Began classifying the vegetation workstream materials for eventual client viewing.	2.5	\$ 325.00	\$ 812.50
Gaurav Thapan-Raina	06/25/19	(2.1) Updated Tree Assessment Tool guide to reflect modifications made to the Tree Assessment Tool	2.1	\$ 400.00	\$ 840.00
Anthony Henderson	06/25/19	Drafted transmissions assets and foreign structures data.	2.8	\$ 325.00	\$ 910.00
Lucy Cai	06/25/19	(3.4) Continue, as of 06/25/19, to create slides indicating number of outages / GNTs per PG&E region / top 10 species per region / number of GNTs that each species caused.	3.4	\$ 275.00	\$ 935.00
Lucy Cai	06/25/19	(3.6) Updated tree assessment tool to include fire species risk rating per each species found in a region, concurrently updating formulas in Excel tab to automatically update per species / region choice.	3.6	\$ 275.00	\$ 990.00
Anthony Henderson	06/25/19	Drafted definitions, table of contents and executive summary of AMS document.	3.4	\$ 325.00	\$ 1,105.00
Tia Mason	06/25/19	Continue, as of 06/25/19, drafting the verbiage to document the vegetation workstream.	3.9	\$ 325.00	\$ 1,267.50
David Ross	06/25/19	Review and analyze meteorology data provided by PG&E focusing on the methodology to use to incorporate into the distribution risk model	3.2	\$ 400.00	\$ 1,280.00

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Name	Date	Description	Hours	Rate	Amount
Gaurav Thapan-Raina	06/25/19	(3.9) Continued with documentation of methodologies that included a detailed description of the exploratory data analysis, benchmarking analysis of PG&E's Tree Assessment Tool with similar tools used by the US Department of Agriculture Forestry Service and the International Society of Arboriculture (ISA) and summary of outputs from the analyses.	3.9	\$ 400.00	\$ 1,560.00
Adrian Irwin	06/26/19	Cross-team check-in with B. Wong (PG&E) for updates / status / requests, as of 06/26/19.	0.2	\$ 325.00	\$ 65.00
Cy Whitten	06/26/19	Draft email to B. Wong (PG&E) to provide summary of transmission overhead bowtie input needs.	0.2	\$ 325.00	\$ 65.00
Cy Whitten	06/26/19	Follow-up meeting with D. Pant (PG&E) regarding transmission overhead bowtie input needs.	0.2	\$ 325.00	\$ 65.00
Cy Whitten	06/26/19	Meeting with D. Pant (PG&E) to discuss updates made to master driver file for transmission overhead failures.	0.2	\$ 325.00	\$ 65.00
Gustavo Garcia	06/26/19	Responded to questions from AMS Inspectors about location of POL / poles to be inspected via email with J. Birch and S. Dolcemasclo, and R. Ashlock (PG&E).	0.3	\$ 275.00	\$ 82.50
Cy Whitten	06/26/19	Communication with K. McNamara (KPMG) regarding risk dashboard mockup ideas.	0.3	\$ 325.00	\$ 97.50
Gustavo Garcia	06/26/19	Communication with A. Samayamanthula (PG&E) to determine location for where PTT data needs to be stored.	0.4	\$ 275.00	\$ 110.00
Gustavo Garcia	06/26/19	Discussion with J. Weng (KPMG) regarding updates to CGI tracker.	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/26/19	Reviewed the draft single-slide Operational Controls plan with S. Stoddard (KPMG)	0.5	\$ 275.00	\$ 137.50
Rita Squalli Houssaini	06/26/19	Debrief from status meeting with B. Wong (PG&E) with K. McNamara (KPMG) regarding Task 3	0.4	\$ 400.00	\$ 160.00
Rita Squalli Houssaini	06/26/19	Update, as of 06/26/19, the detailed project plan per PG&E feedback on the list of open items for task 3	0.4	\$ 400.00	\$ 160.00
Cole Gallagher	06/26/19	Per client request, attend Task 3 status call with B. Wong, S. Jayaraman (PG&E), K. McNamara, T. Schenk, M. Ehrhardt (KPMG) to provide the current overview of task 3 status.	0.5	\$ 325.00	\$ 162.50
Jason Weng	06/26/19	Attended 6/26 EC Tag assignment call led by G. Race (PG&E) supporting use of Tableau dashboard and any additional ad hoc reports required.	0.5	\$ 325.00	\$ 162.50
Jason Weng	06/26/19	Participated in call led by G. Race (PG&E) regarding EC tag Internal Estimating and Design report, focusing on high priority tags, providing analytical support.	0.5	\$ 325.00	\$ 162.50
Allison Smith	06/26/19	Attended meeting with T. Schenk (KPMG) to discuss the statistical model Tableau dashboard requirements.	0.5	\$ 325.00	\$ 162.50
Jason Weng	06/26/19	Call with M. Agarwal (PG&E) to review STAR inspection reporting requirement.	0.5	\$ 325.00	\$ 162.50

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Name	Date	Description	Hours	Rate	Amount
Jason Weng	06/26/19	Call with T. Walker (PG&E) to discuss population included in "Can't Get In" inspection report.	0.5	\$ 325.00	\$ 162.50
Cy Whitten	06/26/19	Meeting with D. Pant (PG&E) regarding transmission outage data mapping.	0.5	\$ 325.00	\$ 162.50
Cy Whitten	06/26/19	Meeting with D. Pant and Y. Oum (PG&E) regarding transmission overhead EIR data.	0.5	\$ 325.00	\$ 162.50
Kyle McNamara	06/26/19	Call with A. Mani (KPMG), as of 6/26, to debrief on Task 3 meetings in advance of client status meeting.	0.4	\$ 435.00	\$ 174.00
Kyle McNamara	06/26/19	Debrief from status meeting with B. Wong (PG&E) with R. Squalli Houssaini (KPMG).	0.4	\$ 435.00	\$ 174.00
Gustavo Garcia	06/26/19	Update, as of 06/26/19, the POL tracker with data received from C. Wong (PG&E) in the morning.	0.7	\$ 275.00	\$ 192.50
Adrian Irwin	06/26/19	Update basic styles for file input to match app buttons - Task 3 development.	0.6	\$ 325.00	\$ 195.00
Arun Mani	06/26/19	Call with K. McNamara (KPMG), as of 6/26, to debrief on Task 3 meetings in advance of client status meeting.	0.4	\$ 500.00	\$ 200.00
Rita Squalli Houssaini	06/26/19	Debrief on Task 3 review meeting and next steps, as of 6/26, with K. McNamara (KPMG).	0.5	\$ 400.00	\$ 200.00
Kyle McNamara	06/26/19	Per client request, attend Task 3 status call with B. Wong, S. Jayaraman (PG&E), M. Ehrhardt, T. Schenk, C. Gallagher (KPMG) to provide the current overview of task 3 status.	0.5	\$ 435.00	\$ 217.50
Mark Ehrhardt	06/26/19	Per client request, attend Task 3 status call with B. Wong, S. Jayaraman (PG&E), K. McNamara, T. Schenk, C. Gallagher (KPMG) to provide the current overview of task 3 status.	0.5	\$ 435.00	\$ 217.50
Tom Schenk	06/26/19	Per client request, attend Task 3 status call with B. Wong, S. Jayaraman (PG&E) to provide the current overview of task 3 status.	0.5	\$ 435.00	\$ 217.50
Tom Schenk	06/26/19	Attended meeting with A. Smith (KPMG) to discuss the statistical model Tableau dashboard requirements.	0.5	\$ 435.00	\$ 217.50
Kyle McNamara	06/26/19	Debrief on Task 3 review meeting and next steps, as of 6/26, with R. Squalli Houssaini (KPMG).	0.5	\$ 435.00	\$ 217.50
Tom Schenk	06/26/19	Discuss planning and approach to Task 1 application development D. Ross, J. Mahoney, J. White, J. and J. Donaghy (KPMG).	0.5	\$ 435.00	\$ 217.50
Kyle McNamara	06/26/19	Perform director review of Task 4 status update, as of 6/26, from D. Elmsblad (KPMG).	0.5	\$ 435.00	\$ 217.50
Adrian Irwin	06/26/19	Database Selection + Serverless meeting over WebEx with N. Wong (PG&E).	0.7	\$ 325.00	\$ 227.50
Rita Squalli Houssaini	06/26/19	Attend Task meeting with J. Markland, B. Wong (PG&E), K. McNamara (KPMG) to review Task 3 status and open issues as of 6/26	0.6	\$ 400.00	\$ 240.00
Rita Squalli Houssaini	06/26/19	Updating, as of 06/26/19, the open items list after meeting with B. Wong and Y. Oum (PG&E) to send to T. Schenk (KPMG - Sub Task 2 of 3 Team Lead).	0.6	\$ 400.00	\$ 240.00
Mark Martin	06/26/19	Continue, as of 06/26/19, to update the Tranche table in the application focusing on the view styles utilizing JavaScript (a web development language).	0.6	\$ 400.00	\$ 240.00

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Name	Date	Description	Hours	Rate	Amount
Cy Whitten	06/26/19	Meeting with D. Pant (PG&E) regarding transmission overhead bowtie input needs as of 6/26. .	0.8	\$ 325.00	\$ 260.00
Cole Gallagher	06/26/19	Meeting with Y. Oum, B. Wong, T. Bowdey (PG&E) and R. Squalli Houssaini, N. McNamara, P. Devaney (KPMG) to review open items, as of 6/26, on Task 3 code development.	0.8	\$ 325.00	\$ 260.00
Kyle McNamara	06/26/19	Attend Task meeting with J. Markland, B. Wong (PG&E), R. Squalli Houssaini (KPMG) to review Task 3 status and open issues as of 6/26	0.6	\$ 435.00	\$ 261.00
Kyle McNamara	06/26/19	Prepare summary of action items, as of 6/26, to provide to A. Mani (KPMG), engagement lead.	0.6	\$ 435.00	\$ 261.00
Preston Devaney	06/26/19	Meeting with Y. Oum, B. Wong, T. Bowdey (PG&E), K. McNamara, R. Squalli Houssaini, C. Gallagher (KPMG) to review open items on Task 3 code development as of 6/26.	1.0	\$ 275.00	\$ 275.00
Dennis Cha	06/26/19	Discussion regarding outline and next steps for Operational Controls plan slide with J.C. Mathieson and M. Esguerra (PG&E).	1.0	\$ 275.00	\$ 275.00
Dennis Cha	06/26/19	Review the revised Operational Controls plan, as of 6/26, with J.C. Mathieson, M. Esguerra (PG&E), and S. Stoddard (KPMG).	1.0	\$ 275.00	\$ 275.00
Dennis Cha	06/26/19	Updated the Operational Controls plan based on comments from J.C. Mathieson, M. Esguerra (PG&E), and S. Stoddard (KPMG).	1.0	\$ 275.00	\$ 275.00
Mark Martin	06/26/19	Continue, as of 06/26/19, to update the Tranche table in the application focusing on the position of the header elements in the table utilizing JavaScript (a web development language).	0.7	\$ 400.00	\$ 280.00
Jason Weng	06/26/19	Revised analysis of REVW task notifications to verify correct population has been activated.	0.9	\$ 325.00	\$ 292.50
Cy Whitten	06/26/19	Review Task 3 work plan details and status with K. McNamara and R. Squalli Houssaini (KPMG).	1.0	\$ 325.00	\$ 325.00
Gustavo Garcia	06/26/19	Meeting with J. Birch (PG&E) to discuss the changes in Severity Score from leadership meeting.	1.2	\$ 275.00	\$ 330.00
Adrian Irwin	06/26/19	Development tasks completed during the day: Update the AWS Lambda config file with the Object Store stand-in server address.	1.1	\$ 325.00	\$ 357.50
Cy Whitten	06/26/19	Updated PG&E laptop to assist client with ability to access client SharePoint files.	1.1	\$ 325.00	\$ 357.50
Jason Weng	06/26/19	Updated Can't Get IN (CGI) tracking log with completed CGIs provided by P. Nowakowski (PG&E).	1.2	\$ 325.00	\$ 390.00
Rita Squalli Houssaini	06/26/19	Meeting with Y. Oum, B. Wong, T. Bowdey (PG&E) and K. McNamara, C. Gallagher, P. Devaney (KPMG) to review open items on Task 3 code development as of 6/26.	1.0	\$ 400.00	\$ 400.00
Rita Squalli Houssaini	06/26/19	Review Task 3 work plan details / status with K. McNamara, C. Whitten (KPMG).	1.0	\$ 400.00	\$ 400.00
Aldryn Estacio	06/26/19	Prepare detailed documentation for the Task 3 mark ups.	1.0	\$ 400.00	\$ 400.00

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Name	Date	Description	Hours	Rate	Amount
Kyle McNamara	06/26/19	Meeting with Y. Oum, B. Wong, T. Bowdey (PG&E), R. Squalli Houssaini, C. Gallagher, P. Devaney (KPMG) to review open items on Task 3 code development as of 6/26.	1.0	\$ 435.00	\$ 435.00
Kyle McNamara	06/26/19	Review Task 3 work plan details / status with R. Squalli Houssaini, C. Whitten (KPMG).	1.0	\$ 435.00	\$ 435.00
Scott Stoddard	06/26/19	Met with D. Cha (KPMG) to review ECOP Weekly Status Update	1.0	\$ 435.00	\$ 435.00
Gustavo Garcia	06/26/19	Updated Pole Integrity Status Update slide, as of 6/26, to send to D. Cha (KPMG).	1.6	\$ 275.00	\$ 440.00
Carlo Toribio	06/26/19	Update presentation aspect of the bow tie by incorporating additional visual improvements.	1.4	\$ 325.00	\$ 455.00
Gustavo Garcia	06/26/19	Develop Pole Integrity Slide for high priority to be incorporated into slide deck per J. Birch's (PG&E) request.	1.7	\$ 275.00	\$ 467.50
Gustavo Garcia	06/26/19	Access kmz files received from J. Birch (PG&E) to show location of EC Tags on Google Earth.	2.0	\$ 275.00	\$ 550.00
Scott Stoddard	06/26/19	Meeting with R. Beasla (PG&E Task 2 Sponsor) to discuss progress to date, issues / challenges and follow-up action items as they related to the contract extension.	1.3	\$ 435.00	\$ 565.50
Kyle McNamara	06/26/19	Perform manager review of updated Task 1-5 roadmaps to address request from S. Singh (PG&E).	1.3	\$ 435.00	\$ 565.50
Gustavo Garcia	06/26/19	Began adjustments to Task 2 workflow slide per discussion with J. Birch (PG&E).	2.1	\$ 275.00	\$ 577.50
Aldryn Estacio	06/26/19	Update, as of 06/26/19, the design of the 'Add to Project' screens based on user flow of selecting / deselecting Risks for the new project.	1.5	\$ 400.00	\$ 600.00
Jason Weng	06/26/19	Preliminary analysis of EC tag data to validate REVW SAP task batch update.	1.9	\$ 325.00	\$ 617.50
Kyle McNamara	06/26/19	Update, as of 06/26/19, the risk log with status report for leadership team meeting.	1.5	\$ 435.00	\$ 652.50
Cole Gallagher	06/26/19	Develop escalation methodology for frequency / consequence tabs.	2.1	\$ 325.00	\$ 682.50
Cole Gallagher	06/26/19	Develop, concurrently testing escalation (avg, inc, compound annual growth rate methods) methodology for Tranche / cross-cutting multiplier tabs.	2.2	\$ 325.00	\$ 715.00
Adrian Irwin	06/26/19	Incorporate empty Account / Roles Matrix component, concurrently removing specific console.log statements as well as updating the index.js markup.	2.2	\$ 325.00	\$ 715.00
Jason Weng	06/26/19	Preliminary analysis of impact of new System Hardening review process on Internal Estimating and Design operations.	2.2	\$ 325.00	\$ 715.00
Scott Stoddard	06/26/19	Review, concurrently updating the Pole Integrity Assessment presentation for S. Singh (PG&E).	1.8	\$ 435.00	\$ 783.00
Adrian Irwin	06/26/19	Updated POST / templates lambda, concurrently incorporating templates table to the DB with minor cleanup to ensure they are using properties from the config.json file.	2.7	\$ 325.00	\$ 877.50
Cole Gallagher	06/26/19	Perform analysis to address row duplication issue in clean tables method in excel parser object.	2.8	\$ 325.00	\$ 910.00

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Asset Management Services

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Name	Date	Description	Hours	Rate	Amount
Cy Whitten	06/26/19	Update, as of 06/26/19, the master driver file or transmission overhead failures based on updated input from Y. Oum (PG&E) per her review of the transmission outage causes.	2.8	\$ 325.00	\$ 910.00
Carlo Toribio	06/26/19	Continue, from earlier on 6/26, to update the presentation for the bow tie to improve visual impact in preparation for presentation to the client.	3.0	\$ 325.00	\$ 975.00
Daniel Elmlad	06/26/19	1.5 - Reviewed previous GRC testimony to prepare for upcoming Rebuttal Testimony support; 1.5-In order to prepare for Rebuttal Testimony support, reviewed Rebuttal training documents, templates, guides	3.0	\$ 325.00	\$ 975.00
Scott Stoddard	06/26/19	Review, concurrently updating a presentation deck for M. Esguerra (PG&E) to present to S. Singh (PG&E).	2.3	\$ 435.00	\$ 1,000.50
Carlo Toribio	06/26/19	Update the presentation for the bow tie to improve visual impact for presentation to the client.	3.1	\$ 325.00	\$ 1,007.50
Dennis Cha	06/26/19	Continued developing single-slide Operational Controls plan outline based on comments from S. Stoddard (KPMG); focused on yearly controls plan based on individual tag risk scoring	3.7	\$ 275.00	\$ 1,017.50
Dennis Cha	06/26/19	Began drafting single-slide Operational Controls plan outline at the request of M. Esguerra (PG&E); focused on forecast analysis to date and review process in place	4.1	\$ 275.00	\$ 1,127.50
Aldryn Estacio	06/26/19	Design mark ups on Task 3 LOB New Project / Risk Run Popup / Risk to Add to Project.	2.9	\$ 400.00	\$ 1,160.00
Mark Martin	06/26/19	Update, as of 06/26/19, the Tranche table to wire up connections to the backend services so that the Tranche table would show data returned from the database utilizing JavaScript, a web development language.	2.9	\$ 400.00	\$ 1,160.00
Mark Martin	06/26/19	Continue, as of 06/26/19, to update the Tranche table to wire up connections to the backend services so that the Tranche table would show data returned from the database utilizing JavaScript, a web development language.	3.4	\$ 400.00	\$ 1,360.00
Arun Mani	06/26/19	Meeting with J. Markland, B. Wong (both PG&E) regarding task 3 deliverables in San Francisco, CA.	3.6	\$ 500.00	\$ 1,800.00
Tia Mason	06/26/19	Created additional charts to document the sources used within the vegetation workflow.	0.4	\$ 325.00	\$ 130.00
Brian Wei	06/26/19	Meeting with J. Thalman, S. Adderly (PG&E), J. White, D. Ross (KPMG) on progress with the risk reduction model as of 6/26 (0.5).	0.5	\$ 275.00	\$ 137.50
David Ross	06/26/19	.5 Call with S. Adderly, J. Thalman (PG&E), B. Wei (KPMG) to discuss distribution risk model, specifically outstanding data requirements regarding pole loading database, outage producing wind, asset information.	0.5	\$ 400.00	\$ 200.00
David Ross	06/26/19	.5 Manager review, as of 6/26, of weekly transmission bundling output prior to sending to PG&E	0.5	\$ 400.00	\$ 200.00

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Name	Date	Description	Hours	Rate	Amount
David Ross	06/26/19	.5 Meeting with B. Wei, J. White (KPMG) to review output of the meteorology component of the distribution risk model prior to showing to PG&E	0.5	\$ 400.00	\$ 200.00
Brian Wei	06/26/19	Reviewed OPW data sent from A. Bagley (PG&E) to determine how it can be incorporated to risk reduction model (0.8).	0.8	\$ 275.00	\$ 220.00
Jonathan White	06/26/19	(0.5) Distribution asset probability model status meeting with JE. Thalman, S. Adderly (PG&E), D. Ross, B. Wei (KPMG).	0.5	\$ 475.00	\$ 237.50
Jonathan White	06/26/19	(0.5) Distribution asset probability model vegetation data review for modeling approach.	0.5	\$ 475.00	\$ 237.50
David Ross	06/26/19	.6 Call with T. Schenk, J. White, J. Mahoney (KPMG) to discuss response to PG&E's request for additional support in building the distribution risk model within PG&E's internal environment in Python code.	0.6	\$ 400.00	\$ 240.00
Brian Wei	06/26/19	Discussed with D. Ross (KPMG) the best way to incorporate sustained outages caused from weather data (SOPP) to risk reduction model (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/26/19	Downloaded R to open outage-producing wind (OPW) data sent from A. Bagley (PG&E) (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/26/19	Incorporated SOPP data into risk reduction model in Alteryx (1.0).	1.0	\$ 275.00	\$ 275.00
David Ross	06/26/19	.8 Manager review of Electric Tag compliance optimization information for circuits requested by P. McCabe (PG&E)	0.8	\$ 400.00	\$ 320.00
Anthony Henderson	06/26/19	Met with J. White (KPMG) to review AMS document and discuss initial revisions and align on timelines.	1.0	\$ 325.00	\$ 325.00
Lucy Cai	06/26/19	(1.2) Ran R-tag workflow to assign R-tags to each asset that has more notifications than was originally noted in PRONTO data provided by PG&E.	1.2	\$ 275.00	\$ 330.00
Lucy Cai	06/26/19	(1.2) Ran transmission asset score workflow in Alteryx to assign circuit / structure scores to each asset that has pending repair notifications.	1.2	\$ 275.00	\$ 330.00
Brian Wei	06/26/19	Examined LiDAR data sent from J. Vos (PG&E) as alternative to vegetation data (1.2).	1.2	\$ 275.00	\$ 330.00
David Ross	06/26/19	.9 Meeting with J. White (KPMG) to discuss methodologies underlying the vegetation and meteorology modifiers of the distribution risk model	0.9	\$ 400.00	\$ 360.00
David Ross	06/26/19	Analyze output of distribution risk model with meteorology component to determine proper tuning of model for accuracy.	1.0	\$ 400.00	\$ 400.00
Brian Wei	06/26/19	Documented details of SOPP incorporation into risk reduction model in a word document (1.5).	1.5	\$ 275.00	\$ 412.50
Jonathan White	06/26/19	(1.0) Data quality assessment review of original pole data files to current data files.	1.0	\$ 475.00	\$ 475.00
Jonathan White	06/26/19	(1.0) Inspection procedure documentation review on format / sections with A. Henderson (KPMG).	1.0	\$ 475.00	\$ 475.00
David Ross	06/26/19	Analyze Lidar data provided by PG&E to determine how to incorporate distribution risk model as the vegetation modifier	1.2	\$ 400.00	\$ 480.00

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Name	Date	Description	Hours	Rate	Amount
Juliana McMillan-Wilhoit	06/26/19	(1.5) Converted geodatabase files (fgdb file format) provided by D. Ross (KPMG) to shapefile format for viewing in Google Earth.	1.5	\$ 325.00	\$ 487.50
Juliana McMillan-Wilhoit	06/26/19	(1.5) At the request of PG&E, extracted Excel data on 25 circuits / creating google earth files for use in identifying assets at risk.	1.5	\$ 325.00	\$ 487.50
David Ross	06/26/19	Troubleshoot how to open .NC file provided by PG&E containing SOPP Model meteorology data	1.3	\$ 400.00	\$ 520.00
Brian Wei	06/26/19	Updated vegetation incorporation to Alteryx workflow to the asset level (2.0).	2.0	\$ 275.00	\$ 550.00
Lucy Cai	06/26/19	(2.1) Ran transmission bundling workflow in Alteryx to bundle pending repair notifications by location / type of repair work required.	2.1	\$ 275.00	\$ 577.50
Anthony Henderson	06/26/19	Drafted transmission and foreign structures asset data.	2.3	\$ 325.00	\$ 747.50
David Ross	06/26/19	Analyze SOPP model outputs in order to integrate into the distribution risk model	1.9	\$ 400.00	\$ 760.00
Gaurav Thapan-Raina	06/26/19	(2.1) Continued the documentation effort focusing on elaborate descriptions of data sources used, listing of stakeholders and their titles/responsibilities and further describing the Tree Assessment Tool scoring modification process.	2.1	\$ 400.00	\$ 840.00
Gaurav Thapan-Raina	06/26/19	(2.2) Prepared detailed documentation on the predictive analytics methodologies and description of outputs. The documentation process involved highlighting the objectives of the modeling effort, definitions of the models used, presentation of outcomes and appropriate statistical interpretation and a description of key features included in the analysis and reasons as such.	2.2	\$ 400.00	\$ 880.00
Jonathan White	06/26/19	(2.0) Define approach to impact on risk of arborist based vegetation approach.	2.0	\$ 475.00	\$ 950.00
Anthony Henderson	06/26/19	Revised AMS document to align to PG&E required format.	3.1	\$ 325.00	\$ 1,007.50
Lucy Cai	06/26/19	(3.9) Update the outage / GNT summary slides to reflect status of trees that have caused outages / GNTs between 2004 / 2018 based on tree health / tree lean / tree life status / number of outages versus GNTs, concurrently filtering by region / species of tree.	3.9	\$ 275.00	\$ 1,072.50
Tia Mason	06/26/19	Began revising the verbiage documenting the vegetation workstream based on feedback from G. Thapan-Raina (KPMG).	3.7	\$ 325.00	\$ 1,202.50
Tia Mason	06/26/19	Continue, as of 06/26/19, drafting the workflow processes to document the vegetation workstream.	3.9	\$ 325.00	\$ 1,267.50

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Name	Date	Description	Hours	Rate	Amount
Gaurav Thapan-Raina	06/26/19	(3.7) Reviewed predictive analytics outcomes based on expanded and revised outages and GNTs dataset with larger observations. Conducted additional dimensionality reduction analysis on the data to determine the most relevant features for predicting the probability of an GNT-related outage. Verified results through constructing multiple additional algorithms (random forest, gradient boosting and deep learning networks). Cross-validated the outcomes to determine any significant variation in results relative to previous analyses with earlier versions of outage and GNT data.	3.7	\$ 400.00	\$ 1,480.00
Cy Whitten	06/27/19	Draft email to R. Squalli Houssaini (KPMG) with the status of completed items, as of 6/27, for the bowtie calculation for the week and tasks for next week.	0.1	\$ 325.00	\$ 32.50
Cy Whitten	06/27/19	Meeting with Y. Oum (PG&E) regarding updates to transmission overhead driver file with conductor detailed failure data	0.1	\$ 325.00	\$ 32.50
Cy Whitten	06/27/19	Draft email to D. Mahe-Torres (PG&E) to expedite VPN approval process to perform client work	0.2	\$ 325.00	\$ 65.00
Cy Whitten	06/27/19	Follow-up meeting with K. McNamara (KPMG) to provide feedback based on discussions with PG&E team about timing and outstanding items to complete EO and GO bowties	0.2	\$ 325.00	\$ 65.00
Cy Whitten	06/27/19	Meeting with D. Pant (PG&E) regarding timeline to complete outstanding EO bowties and items needed to complete.	0.2	\$ 325.00	\$ 65.00
Kyle McNamara	06/27/19	Draft email to T. Schenk (KPMG) to review scope items to address request from B. Wong (PG&E).	0.2	\$ 435.00	\$ 87.00
Kyle McNamara	06/27/19	Follow-up meeting with C. Whitten (KPMG) to provide feedback based on discussions with PG&E team about timing and outstanding items to complete EO and GO bowties	0.2	\$ 435.00	\$ 87.00
Cole Gallagher	06/27/19	Create filtering method to remove inactive rows from input tables.	0.3	\$ 325.00	\$ 97.50
Cy Whitten	06/27/19	Draft bowtie checklist with outstanding data needed, as of 6/27, from client team to complete the analysis.	0.3	\$ 325.00	\$ 97.50
Preston Devaney	06/27/19	PG&E check-in call with C. Gallagher, R. Squalli Houssaini, T. Schenk, C. Whitten, M. Ehrhardt, A. Irwin (KPMG) and B. Wong, T. Bowdey, S. Jayaraman (PG&E) to review project status as of 06/27/19. (partial attendance)	0.4	\$ 275.00	\$ 110.00
Gustavo Garcia	06/27/19	Extract, concurrently reviewing PTT Data received by A. Samayamanthula (PG&E) from ESFT.	0.4	\$ 275.00	\$ 110.00
Dennis Cha	06/27/19	Prepared for biweekly huddle call by discussing PMO updates with J.C. Mathieson (PG&E) and summarizing previous huddle call.	0.4	\$ 275.00	\$ 110.00
Aldryn Estacio	06/27/19	Review current mark ups / latest build, concurrently summarizing status / timelines of expected completion dates of the bowtie / charts (.2) and forward to A. Irwin (KPMG) (.1).	0.3	\$ 400.00	\$ 120.00

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Name	Date	Description	Hours	Rate	Amount
Cole Gallagher	06/27/19	PG&E check-in call with T. Schenk, M. Ehrhardt, A. Irwin (KPMG) and B. Wong, T. Bowdey, S. Jayaraman (PG&E) to review project status as of 06/27/19.	0.4	\$ 325.00	\$ 130.00
Adrian Irwin	06/27/19	Met with R. Squalli Houssaini (KPMG) for detailed Task 3 project plan review as of 6/27	0.4	\$ 325.00	\$ 130.00
Cole Gallagher	06/27/19	Analyze input sheet to identify opportunities to reduce table size when parsing / extrapolating inputs.	0.4	\$ 325.00	\$ 130.00
Kyle McNamara	06/27/19	Call with A. Mani (KPMG) to discuss email communication from B. Wong (PG&E) regarding Task 3 status.	0.3	\$ 435.00	\$ 130.50
Dennis Cha	06/27/19	Meeting for EC tag Optimization Bi-weekly Huddle status / updates / requests with J.C. Mathieson, P. McCabe, B. Koelling, O. Takeshima, E. Scaief, D. Thayer, C. Araquistain, T. Pazdan, J. Birch, H. Duncan, R. Franks, J.E. Thalman, J. Tong (Lieu), D. Durbin (PG&E), G. Chatha, B. Tuffley (both B&V). (partial attendance)	0.5	\$ 275.00	\$ 137.50
Gustavo Garcia	06/27/19	Meeting with S. Stoddard (KPMG) to discuss POL and Pole Integrity as well as aligning on plan for next week.	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/27/19	Review vegetation tags to be removed from ECOP scope (.4) and transmitted to P. McCabe, J.C. Mathieson, M. Borello (all PG&E Vegetation Management team), and B. Wei (KPMG) (.1).	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/27/19	Updated biweekly core team huddle meeting minutes and action item tracker for Task 2 (.4) and distributed to the core team (.1)	0.5	\$ 275.00	\$ 137.50
Arun Mani	06/27/19	Call with K. McNamara (KPMG) to discuss email communication from B. Wong (PG&E) regarding Task 3 status.	0.3	\$ 500.00	\$ 150.00
Rita Squalli Houssaini	06/27/19	Met with A. Irwin (KPMG) for detailed Task 3 project plan review as of 6/27	0.4	\$ 400.00	\$ 160.00
Adrian Irwin	06/27/19	Attend PG&E client check-in call with C. Gallagher, T. Schenk, P. Devaney, M. Ehrhardt (KPMG), B. Wong, T. Bowdey, S. Jayaraman (PG&E) to review project status as of 06/27/19.	0.5	\$ 325.00	\$ 162.50
Cy Whitten	06/27/19	Attend status meeting led by K. McNamara (KPMG) with A. Mani (Engagement Partner), C. Whitten (Program Oversight), T. Schenk, J. White (Task 1 Team Lead), S. Stoddard (Task 2 Team Lead), R. Squalli Houssaini, D. Elmlad (KPMG) to review and address program status, schedules, issues, risks as of 06/27/19. (partial attendance)	0.5	\$ 325.00	\$ 162.50
Allison Smith	06/27/19	Meeting with P. Prombo (KPMG) to discuss the statistical model Tableau dashboard current WIP data feeds and dashboard mockup fields sent from PG&E.	0.5	\$ 325.00	\$ 162.50
Cy Whitten	06/27/19	Drafted status on completed items for the bowtie calculation for the week / tasks for next week.	0.5	\$ 325.00	\$ 162.50
Jason Weng	06/27/19	Follow-up meeting with D. Pant (PG&E) regarding transmission overhead bowtie input needs.	0.5	\$ 325.00	\$ 162.50

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Name	Date	Description	Hours	Rate	Amount
Cy Whitten	06/27/19	Meeting with D. Pant (PG&E) regarding updates to conductor identification in transmission outage file.	0.5	\$ 325.00	\$ 162.50
Cy Whitten	06/27/19	Meeting with D. Pant (PG&E) regarding updates to organization of data files on share drive.	0.5	\$ 325.00	\$ 162.50
Jason Weng	06/27/19	Meeting with D. Pant (PG&E) to discuss updates made to master driver file for transmission overhead failures.	0.5	\$ 325.00	\$ 162.50
Jason Weng	06/27/19	Meeting with S. Stoddard (KPMG) to discuss Task 2 reporting and to align on the plan for next week.	0.5	\$ 325.00	\$ 162.50
Tom Schenk	06/27/19	PG&E check-in call with C. Gallagher, M. Ehrhardt, A. Irwin (KPMG) and B. Wong, T. Bowdey, S. Jayaraman (PG&E) to review project status as of 06/27/19.	0.4	\$ 435.00	\$ 174.00
Kyle McNamara	06/27/19	Address email from B. Wong (PG&E) regarding Task 3 status as of 6/27.	0.4	\$ 435.00	\$ 174.00
Kyle McNamara	06/27/19	Finalize weekly status report to send to A. Mani (KPMG).	0.4	\$ 435.00	\$ 174.00
Tom Schenk	06/27/19	Perform project management planning, concurrently reviewing tasks as part of a finalization of remaining tasks for the Task 3 portion of the project	0.4	\$ 435.00	\$ 174.00
Gustavo Garcia	06/27/19	Update, as of 06/27/19, the POL tracker with data received from C. Wong (PG&E) in the morning.	0.7	\$ 275.00	\$ 192.50
Cy Whitten	06/27/19	Meeting with K. McNamara (KPMG) regarding timing and outstanding items to complete EO and GO bowties.	0.6	\$ 325.00	\$ 195.00
Cole Gallagher	06/27/19	Test risk score allocation methodology for future development / implementation in Python code.	0.6	\$ 325.00	\$ 195.00
Rita Squalli Houssaini	06/27/19	Call with T. Schenk (KPMG) to review progress, resolve issues / risks, develop weekly status report for Task 3 as of 6/27.	0.5	\$ 400.00	\$ 200.00
Rita Squalli Houssaini	06/27/19	Communication via email with K. McNamara (KPMG) to debrief / summarize comments from PG&E teams as of 6/27	0.5	\$ 400.00	\$ 200.00
Phillip Prombo	06/27/19	Meeting with A. Smith (KPMG) to discuss the statistical model Tableau dashboard current WIP data feeds and dashboard mockup fields sent from PG&E.	0.5	\$ 400.00	\$ 200.00
Phillip Prombo	06/27/19	Communication with A. Smith (KPMG) summarizing the Tableau RAMP Dashboard requirements as well as the FAQ's of the project in general.	0.5	\$ 400.00	\$ 200.00
Mark Ehrhardt	06/27/19	Per client request, attend Task 3 status call with B. Wong (PG&E), T. Schenk, C. Gallagher, P. Devaney (KPMG) to provide the overview of task 3 status, as of 6/27.	0.5	\$ 435.00	\$ 217.50
Tom Schenk	06/27/19	Per client request, attend Task 3 status call with B. Wong (PG&E), M. Ehrhardt, C. Gallagher, P. Devaney (KPMG) to provide the overview of task 3 status, as of 6/27.	0.5	\$ 435.00	\$ 217.50

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Name	Date	Description	Hours	Rate	Amount
Mark Ehrhardt	06/27/19	Per client request, attend Task 3 status call with B. Wong (PG&E), T. Schenk, C. Gallagher, P. Devaney (KPMG) to provide the overview of task 3 status, as of 6/27.	0.5	\$ 435.00	\$ 217.50
Tom Schenk	06/27/19	Call with R. Squalli Houssaini (KPMG) to review progress, resolve issues / risks, develop weekly status report for Task 3 as of 6/27	0.5	\$ 435.00	\$ 217.50
Scott Stoddard	06/27/19	Meeting with G. Garcia (KPMG) to discuss POL and Pole Integrity as well as aligning on plan for next week.	0.5	\$ 435.00	\$ 217.50
Scott Stoddard	06/27/19	Meeting with J. Weng (KPMG) to discuss Task 2 reporting and to align on the plan for next week.	0.5	\$ 435.00	\$ 217.50
Gustavo Garcia	06/27/19	Access Vegetation Management tracking spreadsheet to explore how it can be incorporated into Master POL Tracker.	0.8	\$ 275.00	\$ 220.00
Gustavo Garcia	06/27/19	Continue, as of 06/27/19, the development of the revised Task 2 workflow slide.	0.8	\$ 275.00	\$ 220.00
Cy Whitten	06/27/19	Update, as of 06/27/19, the transmission overhead outage workbook with detailed conductor failure data.	0.7	\$ 325.00	\$ 227.50
Rita Squalli Houssaini	06/27/19	Prepare status report for Task 3 for week ending June 28th 2019.	0.6	\$ 400.00	\$ 240.00
Dennis Cha	06/27/19	Interactively, reviewed this week's status report update with P. McCabe and J. Birch (PG&E EC Optimization Program Workstream Owners) regarding slides 5 / 6, respectively.	0.9	\$ 275.00	\$ 247.50
Juan Gonzalez III	06/27/19	Draft email to B. Wong (PG&E) to provide summary of transmission overhead bowtie input needs.	0.5	\$ 500.00	\$ 250.00
Jason Weng	06/27/19	Developed EC Optimization program notification release to operation forecast reporting template as requested by J. Mathieson (PG&E).	0.8	\$ 325.00	\$ 260.00
Cy Whitten	06/27/19	Meeting with B. Wong (PG&E) to request Citrix access for laptop to perform testing on client network.	0.8	\$ 325.00	\$ 260.00
Cy Whitten	06/27/19	Meeting with D. Pant (PG&E) regarding updates needed for transmission overhead sub driver and driver mapping.	0.8	\$ 325.00	\$ 260.00
Scott Stoddard	06/27/19	After discussions with team members, align tasks for reporting / plans for upcoming week for POL / Pole Integrity.	0.6	\$ 435.00	\$ 261.00
Kyle McNamara	06/27/19	Meeting with C. Whitten (KPMG) regarding timing and outstanding items to complete EO and GO bowties.	0.6	\$ 435.00	\$ 261.00
Preston Devaney	06/27/19	Call with C. Gallagher (KPMG), Y. Oum, B. Wong (PG&E) to address questions about outstanding tasks to be completed as of 06/27/19.	1.0	\$ 275.00	\$ 275.00

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Name	Date	Description	Hours	Rate	Amount
Rita Squalli Houssaini	06/27/19	Meeting led by K. McNamara (KPMG) with A. Mani (Engagement Partner), C. Whitten (Program Oversight), T. Schenk, J. White (Task 1 Team Lead), J. Gonzalez, S. Stoddard (Task 2 Team Lead), D. Elmlblad (KPMG) to review and address program status, schedules, issues, risks as of 06/27/19.	0.7	\$ 400.00	\$ 280.00
Dennis Cha	06/27/19	Drafted EC Optimization weekly status report slides 2 / 3 focusing on overview/ timeline / EC tag preparation / work prioritization / regulatory plan.	1.1	\$ 275.00	\$ 302.50
Gustavo Garcia	06/27/19	Perform daily CGI updates.	1.1	\$ 275.00	\$ 302.50
Gustavo Garcia	06/27/19	Perform data analysis on EC Tag Data received from R. Papa (PG&E) to define Pole Integrity Scope.	1.1	\$ 275.00	\$ 302.50
Gustavo Garcia	06/27/19	Processed the data to consolidate into one file for Pole Integrity Assessment Process.	1.1	\$ 275.00	\$ 302.50
Kyle McNamara	06/27/19	Meeting led by K. McNamara (KPMG) with A. Mani (Engagement Partner), C. Whitten (Program Oversight), T. Schenk, J. White (Task 1 Team Lead), J. Gonzalez, S. Stoddard (Task 2 Team Lead), R. Squalli Houssaini, D. Elmlblad (KPMG) to review and address program status, schedules, issues, risks as of 06/27/19.	0.7	\$ 435.00	\$ 304.50
Scott Stoddard	06/27/19	Meeting led by K. McNamara (KPMG) with A. Mani (Engagement Partner), C. Whitten (Program Oversight), T. Schenk, J. White (Task 1 Team Lead), J. Gonzalez, R. Squalli Houssaini, D. Elmlblad (KPMG) to review and address program status, schedules, issues, risks as of 06/27/19.	0.7	\$ 435.00	\$ 304.50
Tom Schenk	06/27/19	Meeting led by K. McNamara (KPMG) with A. Mani (Engagement Partner), C. Whitten (Program Oversight), T. Schenk, J. White (Task 1 Team Lead), J. Gonzalez, S. Stoddard (Task 2 Team Lead), R. Squalli Houssaini, D. Elmlblad (KPMG) to review and address program status, schedules, issues, risks as of 06/27/19.	0.7	\$ 435.00	\$ 304.50
Rita Squalli Houssaini	06/27/19	Prepare for meeting with A. Irwin, T. Schenk (KPMG) by reviewing detailed project plan for Sub Task 2 of 3.	0.8	\$ 400.00	\$ 320.00
Cole Gallagher	06/27/19	Call with P. Devaney (KPMG), Y. Oum, B. Wong (PG&E) to address questions about outstanding tasks to be completed as of 06/27/19.	1.0	\$ 325.00	\$ 325.00
Jason Weng	06/27/19	Consolidated draft Task 2 weekly status updates (.9) and send to S. Stoddard (PG&E) for review (.1).	1.0	\$ 325.00	\$ 325.00
Cole Gallagher	06/27/19	Remove updated input sheet provided by PG&E as well as accompanying documentation from prior input sheet version.	1.0	\$ 325.00	\$ 325.00
Jason Weng	06/27/19	Update, as of 06/27/19, the Can't Get In (CGI) tracking log with completed CGIs provided by P. Nowakowski (PG&E).	1.0	\$ 325.00	\$ 325.00
Scott Stoddard	06/27/19	Meeting regarding AMS KPMG Budget Analysis with S. Singh (PG&E).	0.8	\$ 435.00	\$ 348.00

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Case No. 19-30088

Asset Management Services

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Name	Date	Description	Hours	Rate	Amount
Dennis Cha	06/27/19	Drafted EC Optimization weekly status report slides 4 / 7 focusing on overview / timeline / EC tag preparation / work prioritization / regulatory plan.	1.3	\$ 275.00	\$ 357.50
Rita Squalli Houssaini	06/27/19	Attend call for AMS Status Update 1, as of 6/27, with S. Singh, S. Cairns, C. Middlekauf, C. Pezzola, J. Markland, B. Wong (PG&E).	1.0	\$ 400.00	\$ 400.00
Dennis Cha	06/27/19	Drafted EC Optimization weekly status report slides 8 - 11 focusing on overview / timeline / EC tag preparation / work prioritization / regulatory plan.	1.5	\$ 275.00	\$ 412.50
Dennis Cha	06/27/19	Review tag data retrieved based on REVW status for validating ECOP in-scope tags, concurrently outlining a plan to achieve 100% matching between ECOP in-scope tag criteria / tags with REVW status assigned.	1.5	\$ 275.00	\$ 412.50
Cy Whitten	06/27/19	Draft response with calculation of certain consequence values to Y. Oum (PG&E) with questions regarding transmission overhead bowtie input file.	1.3	\$ 325.00	\$ 422.50
Scott Stoddard	06/27/19	Attend PG&E meeting for EC tag Optimization Bi-weekly Huddle status / updates / requests with J.C. Mathieson, P. McCabe, B. Koelling, O. Takeshima, E. Scaief, D. Thayer, C. Araquistain, T. Pazdan, J. Birch, H. Duncan, R. Franks, J.E. Thalman, J. Tong (Lieu), D. Durbin (PG&E), G. Chatha, B. Tuffley (both B&V).	1.0	\$ 435.00	\$ 435.00
Rita Squalli Houssaini	06/27/19	Update the detailed project plan for Task 3 with status, comments as well as estimated dates for start / finish (1.1) and send to the KPMG team for review (.1).	1.2	\$ 400.00	\$ 480.00
Scott Stoddard	06/27/19	Review changes to Pole Integrity Assessment risk scoring based on feedback from S. Singh (PG&E) meeting held on 6/26.	1.3	\$ 435.00	\$ 565.50
Dennis Cha	06/27/19	Discussion regarding B&V huddle board, review tracker, tag master spreadsheet details with G. Chatha (B&V) for status reporting as of 06/27/19.	2.1	\$ 275.00	\$ 577.50
Cy Whitten	06/27/19	Meeting with B. Wong (PG&E) to review transmission overhead RAMP risk model to update with transmission overhead drivers and consequence data.	2.0	\$ 325.00	\$ 650.00
Carlo Toribio	06/27/19	Resolved the code review items, as of 6/27, for the bow tie.	2.2	\$ 325.00	\$ 715.00
Aldryn Estacio	06/27/19	Begin building a more complete style guide for use in Task 3 development.	1.9	\$ 400.00	\$ 760.00
Carlo Toribio	06/27/19	Update the website so that all DB connections are terminated when the website is unloaded.	2.4	\$ 325.00	\$ 780.00
Aldryn Estacio	06/27/19	Update the design style guide with error / active / clicked form field states.	2.0	\$ 400.00	\$ 800.00
Jason Weng	06/27/19	Update, as of 06/27/19, the Internal Estimating & Design Weekly throughput / progress reports with current EC tag data.	2.5	\$ 325.00	\$ 812.50
Cole Gallagher	06/27/19	Design data structure for non-yearly input escalation tables to ensure that each distribution parameter can be extrapolated separately.	2.6	\$ 325.00	\$ 845.00

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Name	Date	Description	Hours	Rate	Amount
Mark Martin	06/27/19	Integrating the Tranche table in into the bowtie view focusing on removing the code from projects view utilizing JavaScript, a web development language.	2.2	\$ 400.00	\$ 880.00
Carlo Toribio	06/27/19	Began preparing the bow input upload view which is a feature of the application to upload excel files with data.	2.9	\$ 325.00	\$ 942.50
Daniel Elmlad	06/27/19	0.5 - Attend status meeting led by K. McNamara (KPMG) with Account Lead Partner, Engagement Partner, and task leads to review and address program status, schedules, issues, and risks. 0.5 - Discussion via Skype with R. Squalli (KPMG) to discuss support for upcoming Rebuttal Testimony support; 2.0 - Review previous data requests to Public Advocates to prepare for upcoming Rebuttal Testimony support 0.8 - Attended WebEx meeting led by K. Wade (PG&E) to discuss strategy, procedures, and timing of upcoming Rebuttal Testimony work	3.0	\$ 325.00	\$ 975.00
Mark Martin	06/27/19	Integrating the Tranche table in into the bowtie view focusing on incorporating the code into the Bowtie view utilizing JavaScript, a web development language.	2.5	\$ 400.00	\$ 1,000.00
Adrian Irwin	06/27/19	Develop Functioning file record creation -> file upload -> file upload confirmation recorded workflow.	3.2	\$ 325.00	\$ 1,040.00
Mark Martin	06/27/19	Integrating the Tranche table in into the bowtie view focusing on positioning the Tranche table, concurrently adjusting the column widths utilizing JavaScript, a web development language.	2.7	\$ 400.00	\$ 1,080.00
Adrian Irwin	06/27/19	Update, as of 06/27/19, to utilize the three-step Lambda / OS/ Lambda upload pattern.	3.4	\$ 325.00	\$ 1,105.00
Arun Mani	06/27/19	Continue, as of 06/27/19, partner review of workpapers, concurrently providing comments.	3.0	\$ 500.00	\$ 1,500.00
Arun Mani	06/27/19	Continue, as of 06/27/19, to review testing over portions of the analysis that was performed.	3.0	\$ 500.00	\$ 1,500.00
Brian Wei	06/27/19	Created a list of headers within risk reduction model along with their descriptions in the asset level output (0.5).	0.5	\$ 275.00	\$ 137.50
Brian Wei	06/27/19	Downloaded most current version of asset data, as of 6/27, from K. Visram (PG&E) (0.5).	0.5	\$ 275.00	\$ 137.50
Brian Wei	06/27/19	Participated in meeting with J. Thalman, S. Adderly (PG&E), D. Ross on progress with the risk reduction model as of 6/27 (0.5).	0.5	\$ 275.00	\$ 137.50
Brian Wei	06/27/19	Participated in meeting with J. Thalman, S. Adderly, A. Bagley, A. Hong (PG&E), D. Ross to discuss incorporation of OPW and SOPP data to risk reduction model (0.5).	0.5	\$ 275.00	\$ 137.50
Gaurav Thapan-Raina	06/27/19	(0.5) Finalized weekly update for C. Moreland (PG&E) highlighting accomplishments for the week as well as describing activities planned / to be completed for the weeks of July 1-5 / July 8-12.	0.5	\$ 400.00	\$ 200.00

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Name	Date	Description	Hours	Rate	Amount
David Ross	06/27/19	Call with L. Cai and B. Wei (KPMG) to discuss accomplishments from the week, workload and goals for the coming week for PG&E deliverables.	0.5	\$ 400.00	\$ 200.00
Jonathan White	06/27/19	(0.5) Attend 06/27/19 status meeting led by K. McNamara (KPMG) with G. Armstrong, K. McNamara, A. Mani, S. Stoddard, T. Schenk (KPMG Account Lead Partner, Engagement Partner, task leads) to review and address program status, schedules, issues, risks.	0.5	\$ 475.00	\$ 237.50
Jonathan White	06/27/19	(0.5) Distribution asset probability model status meeting with JE. Thalman, S. Adderly (PG&E), D. Ross, B. Wei (KPMG).	0.5	\$ 475.00	\$ 237.50
Gaurav Thapan-Raina	06/27/19	(0.6) Call with K. Loomis (PG&E) to review results of the Tree Assessment Tool (TAT) validation results on 305 trees, possible discrepancies in the tree and fire risk scoring results, additional scoring modifications to the tool, areas that needed to be corrected in the dataset where inspectors may have recorded incorrect observations.	0.6	\$ 400.00	\$ 240.00
David Ross	06/27/19	.6 Draft weekly status update, as of 6/27, for review by PG&E leadership	0.6	\$ 400.00	\$ 240.00
Brian Wei	06/27/19	Opened OPW file with R and concurrently examined fields (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/27/19	Participated in meeting with J. Birch, J. Thalman (PG&E) and D. Ross regarding pole loading data base (1.0).	1.0	\$ 275.00	\$ 275.00
Brian Wei	06/27/19	Participated in meeting with J. Vos (PG&E) and D. Ross (KPMG) to discuss LiDAR data on vegetation (1.0).	1.0	\$ 275.00	\$ 275.00
David Ross	06/27/19	.7 Meeting with S. Adderly, J. Thalman (PG&E), B. Wei (KPMG) to discuss status of distribution risk model and challenges in obtaining and using data from PG&E.	0.7	\$ 400.00	\$ 280.00
David Ross	06/27/19	.8 Meeting with A. Bagley, J. Thalman (PG&E), B. Wei (KPMG) to discuss Outage Producing Wind data, how to open from a .NC file, and how to use the data in the distribution risk model	0.8	\$ 400.00	\$ 320.00
David Ross	06/27/19	.9 Analyze Lidar data provided by J. Vos (PG&E) to determine which fields can be used to impact the probability of tree failure leading to asset failure.	0.9	\$ 400.00	\$ 360.00
David Ross	06/27/19	.9 call with J. Vos, J. Thalman (PG&E), B. Wei (KPMG) to discuss Lidar data received from PG&E and how to interpret this data for use in the distribution risk model.	0.9	\$ 400.00	\$ 360.00
David Ross	06/27/19	Analyze vegetation data provided by K. Loomis (PG&E) to calculate failure rate by species within PG&E territory and determine how-to incorporate into distribution risk model	1.0	\$ 400.00	\$ 400.00
David Ross	06/27/19	Meeting with J. Birch, J. Thalman (PG&E), B. Wei (KPMG) to discuss pole load database and determine which fields need to be pulled for use in the distribution risk model	1.1	\$ 400.00	\$ 440.00

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Name	Date	Description	Hours	Rate	Amount
Jonathan White	06/27/19	(1.0) Review LiDar data for inclusion in Distribution asset probability model approach with JE. Thalman, S. Adderly, V. Jorgen (PG&E)	1.0	\$ 475.00	\$ 475.00
Lucy Cai	06/27/19	(2.3): Update the tree assessment tool with new updates requested by PG&E focusing on the matrix scoring with Excel formulas along with implementation of "STOP" option if tree assessment does not result in abatement.	2.3	\$ 275.00	\$ 632.50
Lucy Cai	06/27/19	(2.5) Continue, as of 06/27/19, to update the outage / GNT summary slides to reflect status of trees that have caused outages / GNTs between 2004 / 2018 based on tree health / tree lean / tree life status / number of outages versus GNTs, concurrently filtering by region / species of tree.	2.5	\$ 275.00	\$ 687.50
Brian Wei	06/27/19	Created a summary of EC tag data as a status report for P. McCabe (PG&E) (1.5). Created a summary, as of 6/27, of vegetation-related EC tags and missing circuits within EC tag data (1.5).	3.0	\$ 275.00	\$ 825.00
Lucy Cai	06/27/19	(3.3) Generate weather / vegetation data from zip files to usable .SHP files in Alteryx for use in data regression model.	3.3	\$ 275.00	\$ 907.50
Anthony Henderson	06/27/19	Analyzed risk prioritization model data, concurrently revising for inclusion in AMS document.	3.2	\$ 325.00	\$ 1,040.00
Anthony Henderson	06/27/19	Drafted and revised transmission asset population on AMS document.	3.2	\$ 325.00	\$ 1,040.00
Gaurav Thapan-Raina	06/27/19	(3.0) Analyzed LIDAR (Light Imaging and Detection) data provided by J. Vos (PG&E) on the Python platform to determine location of trees around specific distribution assets to lay the groundwork for a future algorithm that could focus inspection efforts on select tree species near assets as well as enabling mitigation actions in real time.	3.0	\$ 400.00	\$ 1,200.00
Gaurav Thapan-Raina	06/27/19	(3.9) Conducted tree removal risk impact analysis for S. Singh (PG&E) and C. Moreland (PG&E): The analysis sought to determine the impact on fire GNT risk as a result of various tree abatement scenarios (i.e., the impact of a 10%, 20%, 50% reduction in the top ten tree species) as well as cross-checking assessment with recently collected tree feature data by vegetation management inspectors on 305 trees along a transmission line / which of the top ten species in that sample had been recommended for removal.	3.9	\$ 400.00	\$ 1,560.00
Juan Gonzalez III	06/27/19	Attend status meeting led by K. McNamara (KPMG) with A. Mani (Engagement Partner), C. Whitten (Program Oversight), T. Schenk, J. White (Task 1 Team Lead), S. Stoddard (Task 2 Team Lead), R. Squalli Houssaini, D. Elmlad (KPMG) to review and address program status, schedules, issues, risks as of 06/27/19. (partial attendance)	0.5	\$ 500.00	\$ 250.00

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Name	Date	Description	Hours	Rate	Amount
Preston Devaney	06/28/19	Call with C. Gallagher (KPMG) to discuss debug file format and driver frequency outputs, as well as transformation script from input sheet to model input structure	0.2	\$ 275.00	\$ 55.00
Preston Devaney	06/28/19	Attended call with C. Gallagher (KPMG) to discuss yearly input escalation for sheets without specific year columns	0.2	\$ 275.00	\$ 55.00
Cole Gallagher	06/28/19	Call with P. Devaney (KPMG) to discuss debug file format and driver frequency outputs, as well as transformation script from input sheet to model input structure.	0.2	\$ 325.00	\$ 65.00
Cole Gallagher	06/28/19	Attended call with P. Devaney (KPMG) to discuss yearly input escalation for sheets without specific year columns.	0.2	\$ 325.00	\$ 65.00
Dennis Cha	06/28/19	Revised EC Optimization weekly status report based on comments from S. Stoddard (KPMG).	0.3	\$ 275.00	\$ 82.50
Cole Gallagher	06/28/19	Update, as of 06/28/19, the sheet metadata in accordance with newest version of input sheet.	0.3	\$ 325.00	\$ 97.50
Cy Whitten	06/28/19	Draft email to B. Wong (PG&E) regarding distribution parameter calculation for transmission overhead risk input model. (.2) Draft email with subtask 1 status deck to K. McNamara (KPMG) to assess items completed on bowtie and outline plan for tasks to complete in July.(.1)	0.3	\$ 325.00	\$ 97.50
Gustavo Garcia	06/28/19	Discussion regarding pole integrity assessment scope filters and next steps with D. Cha (KPMG).	0.5	\$ 275.00	\$ 137.50
Dennis Cha	06/28/19	Discussion regarding pole integrity assessment scope filters and next steps with G. Garcia (KPMG).	0.5	\$ 275.00	\$ 137.50
Rita Squalli Houssaini	06/28/19	Schedule feedback session to review plan with Task 3 team, A. Mani and K. McNamara (KPMG).	0.4	\$ 400.00	\$ 160.00
Cy Whitten	06/28/19	Meeting with D. Gregory (PG&E) regarding System Average Interruption Duration Index (SAIDI) calculation for transmission overhead assets.	0.5	\$ 325.00	\$ 162.50
Dennis Cha	06/28/19	Discussion regarding alignment on B&V reporting metrics and categories with J.C. Mathieson (PG&E).	0.6	\$ 275.00	\$ 165.00
Gustavo Garcia	06/28/19	Pole Integrity Huddle Meeting Friday Afternoon for status / updates / requests with J. Birch and C. Wong (PG&E).	0.6	\$ 275.00	\$ 165.00
Dennis Cha	06/28/19	Analyze 613 ECOP in-scope tags that do not map to circuits (.6) and share with P. McCabe, J. Birch (PG&E), S. Stoddard, and B. Wei (KPMG) (.1).	0.7	\$ 275.00	\$ 192.50
Adrian Irwin	06/28/19	Incorporate a check to list only global templates on the defaults view.	0.6	\$ 325.00	\$ 195.00
Mark Martin	06/28/19	Incorporate a Redux state management library for react. (React is the development library that we are using to help create the web application).	0.5	\$ 400.00	\$ 200.00
Scott Stoddard	06/28/19	Meeting for ECOP Weekly Status Update Report Review with M. Esguerra, J.C. Mathieson (PG&E) and D. Cha (KPMG). (partial attendance)	0.5	\$ 435.00	\$ 217.50
Scott Stoddard	06/28/19	Review, concurrently providing comments to final EC Optimization Status report for D. Cha (KPMG) to make final revisions before meeting with PG&E.	0.5	\$ 435.00	\$ 217.50

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Name	Date	Description	Hours	Rate	Amount
Gustavo Garcia	06/28/19	Review progress made by E. Tompos (PG&E) on Google Map kmz files reflecting overlap between EC Tag SAP Data / Pronto ForData.	0.8	\$ 275.00	\$ 220.00
Gustavo Garcia	06/28/19	Update, as of 06/28/19, the POL tracker with data received from C. Wong (PG&E) in the morning.	0.8	\$ 275.00	\$ 220.00
Rita Squalli Houssaini	06/28/19	Draft email with detailed plan to A. Mani and K. McNamara (KPMG) to gather feedback needed for Task 3 purposes.	0.6	\$ 400.00	\$ 240.00
Gustavo Garcia	06/28/19	Meeting with C. Wong (PG&E) to discuss how EC Tag Data is being mapped to Pronto Form.	0.9	\$ 275.00	\$ 247.50
Cy Whitten	06/28/19	Meeting with D. Pant (PG&E) regarding the status of substation outage data files and transmission overhead risk model inputs.	0.8	\$ 325.00	\$ 260.00
Dennis Cha	06/28/19	Meeting for ECOM Weekly Status Update Report Review with M. Esguerra, J.C. Mathieson (PG&E) and S. Stoddard (KPMG)	1.0	\$ 275.00	\$ 275.00
Gustavo Garcia	06/28/19	Update, as of 06/28/19, the CGI log to include daily updates from A. Fox and S. Dolcemascolo (PG&E).	1.2	\$ 275.00	\$ 330.00
Preston Devaney	06/28/19	Testing the outputs of the debug file, as of 6/28, concurrently incorporating the testing parameters.	1.2	\$ 275.00	\$ 330.00
Scott Stoddard	06/28/19	Update KPMG's Task 2 Proposed Extension with revised activities along with budget based on meeting with S. Singh (PG&E) on 6/27/19.	0.8	\$ 435.00	\$ 348.00
Dennis Cha	06/28/19	Revised EC Optimization weekly status report based on comments from J.C. Mathieson, M. Esguerra (PG&E) and S. Stoddard (KPMG)	1.3	\$ 275.00	\$ 357.50
Adrian Irwin	06/28/19	Integrate PrimeReact FileUpload component, concurrently updating the global form / heading / button styles.	1.1	\$ 325.00	\$ 357.50
Cy Whitten	06/28/19	Update, as of 06/28/19, the transmission overhead risk input model with linked consequence inputs for incident / reliability data.	1.1	\$ 325.00	\$ 357.50
Preston Devaney	06/28/19	Update, as of 06/28/19, the styling of the Python code.	1.4	\$ 275.00	\$ 385.00
Cole Gallagher	06/28/19	Develop functionality to remove unnecessary note columns from analytical model inputs.	1.2	\$ 325.00	\$ 390.00
Adrian Irwin	06/28/19	Incorporate MIME type checking for Excel files on the DB creation lambda call (POST), concurrently updating the wording changes during upload / refreshes.	1.2	\$ 325.00	\$ 390.00
Adrian Irwin	06/28/19	Perform detailed code-review, as of 6/28, of work-in-progress from the development team, concurrently noting specific action items for follow-up enhancements / corrections.	1.2	\$ 325.00	\$ 390.00
Rita Squalli Houssaini	06/28/19	Finalized the detailed project plan for Task 3 (.9) and send for feedback to A. Irwin, C. Whitten, C. Gallagher, P. Devaney, T. Schenk and copying K. McNamara (KPMG) (.1).	1.0	\$ 400.00	\$ 400.00
Rita Squalli Houssaini	06/28/19	Prepare status email to send to B. Wong, Y. Oum and V. Loh (PG&E) for status as of 6/28 related to Task 3.	1.0	\$ 400.00	\$ 400.00
Preston Devaney	06/28/19	Update the Python code to include debug outputs for events.	1.6	\$ 275.00	\$ 440.00

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Name	Date	Description	Hours	Rate	Amount
Cole Gallagher	06/28/19	Review "pandas" documentation to assess best practice for reshaping data for new escalation methodology.	1.4	\$ 325.00	\$ 455.00
Cy Whitten	06/28/19	Update substation outage data file to view draft of drivers / subdrivers, contemporaneously marking subdrivers requiring further explanation.	1.5	\$ 325.00	\$ 487.50
Gustavo Garcia	06/28/19	Sorted SAP equipment ID's associated with top 100 CPZ / bottom 100 CPZ per direction from J. Birch (PG&E).	1.8	\$ 275.00	\$ 495.00
Gustavo Garcia	06/28/19	Modified Severity Score Model to incorporate changes mentioned by J. Birch (PG&E).	1.9	\$ 275.00	\$ 522.50
Mark Martin	06/28/19	Altering the navigation configuration for the bowtie views for the application tabs so that the tabs can handle multiple web addresses / can still handle self selecting the active tab.	1.4	\$ 400.00	\$ 560.00
Dennis Cha	06/28/19	Update, as of 06/28/19, the Alteryx workflow focusing on in-scope tag composition / tag review / execution forecast / risk scoring distribution / circuit-based tracking.	2.1	\$ 275.00	\$ 577.50
Cy Whitten	06/28/19	Draft subtask 1 status deck to assess items completed on bowtie, concurrently outlining plan for tasks to complete in July.	1.8	\$ 325.00	\$ 585.00
Mark Martin	06/28/19	Altering the navigation configuration for the dashboard for the application tabs so that the tabs can handle multiple web addresses / can still handle self selecting the active tab.	1.5	\$ 400.00	\$ 600.00
Daniel Elmlad	06/28/19	2.0 -Reviewed Public Advocates Testimony	2.0	\$ 325.00	\$ 650.00
Dennis Cha	06/28/19	Comprehensively summarized EC Tag Optimization program in order to capture the past 3 weeks of progress, risks / challenges, action items / next steps (2.3) and forward to M. Bowser (KPMG) (.1).	2.4	\$ 275.00	\$ 660.00
Preston Devaney	06/28/19	Update, as of 06/28/19, the Python code to include debug outputs for consequences.	2.4	\$ 275.00	\$ 660.00
Mark Martin	06/28/19	Creating the cross cutter view in the application utilizing JavaScript (a web development language).	1.8	\$ 400.00	\$ 720.00
Cole Gallagher	06/28/19	Reshape frequency / consequence tables in excel input sheet to escalate each parameter separately.	3.2	\$ 325.00	\$ 1,040.00
Adrian Irwin	06/28/19	Flesh out the defaults view with a table to show the most recent five uploaded global templates, concurrently refactoring some of the PrimeReact table's styles into a separate SCSS file.	3.6	\$ 325.00	\$ 1,170.00
Carlo Toribio	06/28/19	Updating the input upload view, specifically replacing the bootstrap modal view with the react one.	3.8	\$ 325.00	\$ 1,235.00
Carlo Toribio	06/28/19	Updating the input upload view by revising styling on upload view.	3.9	\$ 325.00	\$ 1,267.50
Mark Martin	06/28/19	Altering the navigation configuration for the sandbox for the application tabs so that the tabs can handle multiple web addresses / can still handle self selecting the active tab.	3.3	\$ 400.00	\$ 1,320.00
Arun Mani	06/28/19	Continue, as of 06/28/19, to review testing over portions of the AMS analysis that was performed.	3.9	\$ 500.00	\$ 1,950.00

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Name	Date	Description	Hours	Rate	Amount
Arun Mani	06/28/19	Continue, as of 06/28/19, partner review of workpaper documentation, concurrently providing comments.	4.1	\$ 500.00	\$ 2,050.00
David Ross	06/28/19	.4 Manager review of vegetation analysis which showed change in species composition by division by year for PG&E	0.4	\$ 400.00	\$ 160.00
David Ross	06/28/19	.5 Analyze information provided by J. Vos (PG&E) related to Lidar data which describes current fields available for use and the projected 2019 fields which are being captured	0.5	\$ 400.00	\$ 200.00
Jonathan White	06/28/19	(0.5) Analyze Vegetation arborist study expanded approach definition.	0.5	\$ 475.00	\$ 237.50
David Ross	06/28/19	.6 Call with S. Adderly, J. Thalman (PG&E), B. Wei (KPMG) to discuss distribution risk model and completion progress from the week.	0.6	\$ 400.00	\$ 240.00
Anthony Henderson	06/28/19	Review regression model data for program document.	1.2	\$ 325.00	\$ 390.00
Gaurav Thapan-Raina	06/28/19	(1.0) Assessed weather data provided by S. Brayton (UC Davis) to determine how best to incorporate into the PG&E outage / GNT dataset for purposes of potentially improving predictive analytics outcomes.	1.0	\$ 400.00	\$ 400.00
Gaurav Thapan-Raina	06/28/19	(1.0) Expanded documentation of vegetation management study to include additional detail on geospatial analysis being conducted on the Forest Service tree population data by providing description of the datasets along with the methodology followed on the Python platform for the assessment.	1.0	\$ 400.00	\$ 400.00
Jonathan White	06/28/19	(1.0) Managing director review of Vegetation arborist study non-failed trees assessment .	1.0	\$ 475.00	\$ 475.00
Jonathan White	06/28/19	(1.0) Perform data quality assessment review of latitude / longitude data gaps.	1.0	\$ 475.00	\$ 475.00
David Ross	06/28/19	Review and update time entries to ensure proper compliance with court reviews of billings for PG&E	1.2	\$ 400.00	\$ 480.00
David Ross	06/28/19	Began drafting deck for PG&E's leadership which portrays functionalities of distribution risk model	1.3	\$ 400.00	\$ 520.00
Lucy Cai	06/28/19	(2.1) Ran distribution scoping analysis with population of distribution poles excluding 0 longitude / latitude values to reconcile difference between initial scoping population / new scoping population.	2.1	\$ 275.00	\$ 577.50
Lucy Cai	06/28/19	(2.5) Create population of distribution poles that have a REAX score of greater than 80% to incorporate into scoping distribution population.	2.5	\$ 275.00	\$ 687.50
Brian Wei	06/28/19	Continued, from earlier on 6/28, to convert asset level text files to Alteryx databases	2.8	\$ 275.00	\$ 770.00
Gaurav Thapan-Raina	06/28/19	(2.1) Following a specific request from S. Singh (PG&E), prepared a proposal for building a deep learning neural network algorithm with associated budget for integrating the algorithm with PG&E's technology infrastructure in order to assess tree risk in real time / render mitigation decisions on the spot.	2.1	\$ 400.00	\$ 840.00

EXHIBIT C1

PG&E Corporation and PG&E Company, et.al.

Case No. 19-30088

Asset Management Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Rate	Amount
Brian Wei	06/28/19	Converted asset level text files to Alteryx databases	3.2	\$ 275.00	\$ 880.00
Lucy Cai	06/28/19	(3.6) Utilizing new distribution pole population provided by PG&E uploaded into Alteryx, map each pole to HFTDs, concurrently creating non-HFTD / HFTD files for use in scoping.	3.6	\$ 275.00	\$ 990.00
Anthony Henderson	06/28/19	Drafted and updated distribution asset population of AMS document.	3.2	\$ 325.00	\$ 1,040.00
Gaurav Thapan-Raina	06/28/19	(3.9) Analyze tree population datasets on the US Department of Agriculture Forestry Service website to explore opportunities for including this data into the vegetation management analysis / improve the accuracy of tree population sampling data previously assessed as part of outages / GNTs.	3.9	\$ 400.00	\$ 1,560.00
Lucy Cai	06/30/19	(3.1) Aggregate information regarding vegetation management from 2016 to 2018 to identify top tree species / main characteristics of trees recorded on slides.	3.1	\$ 275.00	\$ 852.50
Total Asset Management Services			2,869.7		\$ 995,889.00

EXHIBIT C2

PG&E Corporation and PG&E Company, et.al.

Case No. 19-30088

Data Security Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Amount
Josh Conkel	06/03/19	Meeting with N. Wong (PG&E), R. Shih (PG&E), and T. Sedgwick (KPMG) to perform requirements gathering meeting to discuss the new Collibra instance that will be implemented for the Data Security Program.	0.5	
Michael Gomez	06/03/19	Follow-up with T. Sedgwick and J. Conkel (both KPMG) regarding the de-scoping of the de-identification tool and the impact for PG&E	0.5	
Michael Gomez	06/03/19	Communication with S. Rai and J. Heffelfinger (both PG&E) related to the de-scoping of the de-identification tool and the corresponding impact for PG&E	0.5	
Toby Sedgwick	06/03/19	Meeting with N. Wong (PG&E), R. Shih (PG&E), and J. Conkel (KPMG) to perform requirements gathering meeting to discuss the new Collibra instance that will be implemented for the Data Security Program.	0.5	
Garrett Dupree	06/03/19	Meeting between T. Sedgwick, G. Dupree (KPMG) to review the data inventory of unstructured repositories to scan deliverable.	0.7	
Toby Sedgwick	06/03/19	Meeting between T. Sedgwick, G. Dupree (KPMG) to review the data inventory of unstructured repositories to scan deliverable.	0.7	
Garrett Dupree	06/03/19	Meeting with T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), and G. Dupree (KPMG) to discuss and align on the weekly action items related to the Data Inventory, Data Loss Prevention, and De-Identification workstreams.	0.8	
Josh Conkel	06/03/19	Meeting with T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), and G. Dupree (KPMG) to discuss and align on the weekly action items related to the Data Inventory, Data Loss Prevention, and De-Identification workstreams.	0.8	
Manoj Thareja	06/03/19	Meeting with T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), and G. Dupree (KPMG) to discuss and align on the weekly action items related to the Data Inventory, Data Loss Prevention, and De-Identification workstreams.	0.8	
Toby Sedgwick	06/03/19	Meeting with T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), and G. Dupree (KPMG) to discuss and align on the weekly action items related to the Data Inventory, Data Loss Prevention, and De-Identification workstreams.	0.8	
Josh Conkel	06/03/19	Meeting with G. Vadathu (PG&E), S. Yem (PG&E), T. Howe (PG&E), J. Conkel (KPMG) - partial attendance, T. Sedgwick (KPMG), and G. Dupree (KPMG) to discuss the current status and potential roadblocks related to the Data Loss Prevention workstream as of 6/3/19.	1.0	

EXHIBIT C2

PG&E Corporation and PG&E Company, et.al.

Case No. 19-30088

Data Security Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Amount
Garrett Dupree	06/03/19	Meeting with G. Vadathu (PG&E), S. Yem (PG&E), T. Howe (PG&E), J. Conkel (KPMG) - partial attendance, T. Sedgwick (KPMG), and G. Dupree (KPMG) to discuss the current status and potential roadblocks related to the Data Loss Prevention workstream as of 6/3/19.	1.4	
Toby Sedgwick	06/03/19	Meeting with G. Vadathu (PG&E), S. Yem (PG&E), T. Howe (PG&E), J. Conkel (KPMG) - partial attendance, T. Sedgwick (KPMG), and G. Dupree (KPMG) to discuss the current status and potential roadblocks related to the Data Loss Prevention workstream as of 6/3/19.	1.4	
Toby Sedgwick	06/03/19	0.9 Reviewed Collibra administrative guide for key considerations to include in data inventory requirements; 0.8 Manager review of DLP inventory of repositories for scanning while concurrently providing written feedback / update requests to provide to G. Dupree (KPMG).	1.7	
Garrett Dupree	06/03/19	Update data inventory of unstructured repositories to scan deliverable to include enumerated list of SharePoint sites for upcoming review with T. Howe (PG&E)	2.5	
Manoj Thareja	06/03/19	(1.0) Meeting with T. Howe (PG&E) to discuss the strategy on AMPS category updates as well as interactions with Privacy team (.5) Participate in daily touch-base call with K. Muppa (PG&E) and D. Gaurav (PG&E) on status and next steps related to DLP Scanning and De-Identification as of 6/3/19 (.7) Meeting with G. Vadathu (PG&E) to discuss weekly status reporting additions (.5) Review of weekly scans for accuracy - discovered volume was low	2.7	
Toby Sedgwick	06/03/19	(1.7) Initial preparation / drafting of data inventory requirements traceability matrix; 1.0 Discussion with S. Yem (PG&E) to obtain additional information about architecture requirements for Collibra.	2.7	
Garrett Dupree	06/03/19	(1.8) Continue (same day) to update data inventory of unstructured repositories to scan deliverable to include enumerated list of file share directories for upcoming review with T. Howe (PG&E); (1.3) Update data inventory of unstructured repositories to scan deliverable to include comments in each unknown field that describes the steps we will take to find this information.	3.1	
Josh Conkel	06/03/19	Reviewed Collibra documentation provided by T. Sedgwick (KPMG) in preparation for next meeting with N. Wong (PG&E), R. Shih (PG&E) regarding Collibra data migration from a Software as a Service cloud-based environment to an on-premises environment.	3.3	
Manoj Thareja	06/04/19	Meeting with K. Muppa (PG&E) and D. Gaurav (PG&E) to discuss status/ updates related to DLP Scanning and De-ID as of 6/4/19.	0.5	

EXHIBIT C2

PG&E Corporation and PG&E Company, et.al.

Case No. 19-30088

Data Security Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Amount
Manoj Thareja	06/04/19	(.5) Meeting with D. Gaurav (PG&E) regarding how to get the number of rows in an Oracle database (1.0) Explored Symantec DLP functionality for scheduled scans to stop after a certain time (e.g. 2 hours) (.5) Prepared list of items that needs to be addressed with SIOC (Security Intelligence and Operations Center) team from DSPO side related to access and schedule	2.0	
Garrett Dupree	06/04/19	Began to update data inventory of unstructured repositories to scan deliverable to include detailed procedures for connecting to / scanning SharePoint targets to accompany the enumerated list of SharePoint sites.	2.3	
Manoj Thareja	06/04/19	Meeting with K. Muppa (PG&E) and D. Gaurav (PG&E) to perform detailed walkthrough of current access and verification process for Oracle and MS SQL databases.	2.5	
Garrett Dupree	06/04/19	Continued, from earlier in the day, to update data inventory of unstructured repositories to scan deliverable to include detailed procedures for connecting to / scanning file share repositories to accompany the enumerated list of file share directory paths	3.0	
Josh Conkel	06/04/19	(2.8) Analyzed current PG&E DLP environment in comparison to new product advancements of Microsoft's Azure DLP offering (the potential loss of Documentum scanning capabilities within Symantec's Data Loss Prevention (DLP) roadmap has prompted us to discover alternative products / methods for scanning these repository types for successful project completion); (.4) Provided database discovery technique information to M. Thareja (KPMG) and J. Green (PG&E) by email.	3.2	
Garrett Dupree	06/04/19	(1.3) Begin gathering a list of stakeholder groups involved with the Data Security Program from the DLP Scope & Charter and Change Management presentation materials to be used with the Stakeholder Impact Assessment deliverable; (2.0) Update the Change Engagement Plan deliverable to include the preliminary stakeholder groups involved with recurring communications related to the Data Security Program in 2019.	3.3	
Josh Conkel	06/04/19	Discovered alternate methods (of Tenable security center scans) of detecting Oracle and Microsoft Database servers located on servers identified on PG&E's network - these methods are through scanning of the Windows registry, Linux file-based techniques, and database queries.	3.3	
Sreeja Reddy	06/04/19	Continued (same day) to develop functional requirements documentation framework based on results of previous research (also performed on same day).	3.9	

EXHIBIT C2

PG&E Corporation and PG&E Company, et.al.

Case No. 19-30088

Data Security Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Amount
Sreeja Reddy	06/04/19	Drafting functional requirements documentation for the Data Inventory workstream including required additional research (on as-needed basis) into Collibra's capabilities.	3.9	
Manoj Thareja	06/04/19	(2.5) Meeting with K. Muppa (PG&E) and D. Gaurav (PG&E) to build detailed plan for Production / non-Production databases for Scanning including schedule frequency and time windows; (1.5) Analyzed old master tracker for scans versus the current AMPS and Tenable data server scans; (1.0) Meeting with K. Muppa (PG&E) regarding use of new scanner tracker including walkthrough of process related to initial entries	5.0	
Sreeja Reddy	06/05/19	Continued, from 6/4, to develop requirement documentation.	0.2	
Garrett Dupree	06/05/19	Meeting with A. Jacob (PG&E), G. Vadathu (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), and G. Dupree (KPMG) to discuss the future roadmap for Documentum implementations at PG&E and connector alternatives for scanning Documentum repositories using Symantec DLP.	0.5	
Josh Conkel	06/05/19	Meeting with A. Jacob (PG&E), G. Vadathu (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), and G. Dupree (KPMG) to discuss the future roadmap for Documentum implementations at PG&E and connector alternatives for scanning Documentum repositories using Symantec DLP.	0.5	
Toby Sedgwick	06/05/19	Meeting with A. Jacob (PG&E), G. Vadathu (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), and G. Dupree (KPMG) to discuss the future roadmap for Documentum implementations at PG&E and connector alternatives for scanning Documentum repositories using Symantec DLP.	0.5	
Manoj Thareja	06/05/19	Meeting with K. Muppa (PG&E) and D. Gaurav (PG&E) to discuss status and next steps related to DLP Scanning and De-ID as of 6/5/19	0.5	
Garrett Dupree	06/05/19	Meeting with T. Howe (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), and G. Dupree (KPMG) to review the inventory of unstructured repositories to scan deliverable.	0.5	
Josh Conkel	06/05/19	Meeting with T. Howe (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), and G. Dupree (KPMG) to review the inventory of unstructured repositories to scan deliverable.	0.5	
Toby Sedgwick	06/05/19	Meeting with T. Howe (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), and G. Dupree (KPMG) to review the inventory of unstructured repositories to scan deliverable.	0.5	
Manoj Thareja	06/05/19	Communication via email with T. Sedgwick and M. Gomez (both KPMG) regarding impact on project if PG&E decides not to move forward with De-ID tool	1.0	
Manoj Thareja	06/05/19	Meeting with D. Gaurav (PG&E) to review and concurrently assign action items for DLP and De-ID	1.0	

EXHIBIT C2

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Case No. 19-30088

Data Security Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Amount
Manoj Thareja	06/05/19	Meeting with G. Vadathu (PG&E) and T. Howe (PG&E) regarding De-ID business case and impact of delays to the project if the tool is not acquired soon.	1.0	
Josh Conkel	06/05/19	(0.3) Provided credentials for lower environment Oracle scanning to N. Ranganathan (PG&E) over Skype; (0.8) Submitted DLP Project Plan & Charter in PG&E's Enterprise Deliverable Routing System (EDRS) - this will be used as evidence of the official acceptance / completion of project deliverable.	1.1	
Garrett Dupree	06/05/19	Meeting with G. Vadathu (PG&E), S. Yem (PG&E), B. Spell (PG&E), N. Ranganathan (PG&E), K. Muppa (PG&E), D. Gaurav (PG&E), J. Conkel (KPMG), T. Sedgwick (KPMG), M. Thareja (KPMG), and G. Dupree (KPMG) to discuss the current status of Data Loss Prevention and De-Identification (De-ID) workstreams and review the required architecture design for implementing scanning activities in the production environment.	1.5	
Josh Conkel	06/05/19	Meeting with G. Vadathu (PG&E), S. Yem (PG&E), B. Spell (PG&E), N. Ranganathan (PG&E), K. Muppa (PG&E), D. Gaurav (PG&E), J. Conkel (KPMG), T. Sedgwick (KPMG), M. Thareja (KPMG), and G. Dupree (KPMG) to discuss the current status of Data Loss Prevention and De-Identification (De-ID) workstreams and review the required architecture design for implementing scanning activities in the production environment.	1.5	
Manoj Thareja	06/05/19	Meeting with G. Vadathu (PG&E), S. Yem (PG&E), B. Spell (PG&E), N. Ranganathan (PG&E), K. Muppa (PG&E), D. Gaurav (PG&E), J. Conkel (KPMG), T. Sedgwick (KPMG), M. Thareja (KPMG), and G. Dupree (KPMG) to discuss the current status of Data Loss Prevention and De-Identification (De-ID) workstreams and review the required architecture design for implementing scanning activities in the production environment.	1.5	
Toby Sedgwick	06/05/19	Meeting with G. Vadathu (PG&E), S. Yem (PG&E), B. Spell (PG&E), N. Ranganathan (PG&E), K. Muppa (PG&E), D. Gaurav (PG&E), J. Conkel (KPMG), T. Sedgwick (KPMG), M. Thareja (KPMG), and G. Dupree (KPMG) to discuss the current status of Data Loss Prevention and De-Identification (De-ID) workstreams and review the required architecture design for implementing scanning activities in the production environment.	1.5	
Manoj Thareja	06/05/19	Performed analysis with regards to Collibra Requirement for DPSO.	1.5	
Manoj Thareja	06/05/19	Meeting with G. Vadathu (PG&E), S. Yem (PG&E) and T. Howe (PG&E) to review the DPSO Project charter.	2.0	

EXHIBIT C2

PG&E Corporation and PG&E Company, et.al.

Case No. 19-30088

Data Security Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Amount
Garrett Dupree	06/05/19	Revised the Change Engagement Plan deliverable to include forecasted communication topics and methods between the Data Security Program team and the involved stakeholders throughout the duration of the program	2.9	
Garrett Dupree	06/05/19	Update the Change Engagement Plan deliverable to include additional communication methods, topics, and key purposes for additional stakeholder groups that were identified after correspondence with T. Sedgwick (KPMG).	3.1	
Sreeja Reddy	06/05/19	Continue (from previous day) to develop requirements documentation framework based on results of research performed.	3.6	
Sreeja Reddy	06/05/19	Drafting functional requirements documentation for the Data Inventory workstream (this documentation also required additional research, as needed, into Colibra's capabilities)	3.9	
Manoj Thareja	06/06/19	Discussion with K. Muppa (PG&E) and D. Gaurav (PG&E) to discuss status of DLP Scanning and De-ID as of 6/6/19.	0.5	
Manoj Thareja	06/06/19	Meeting with G. Vadathu (PG&E) to discuss project status and progress as of 6/6/19.	0.5	
Manoj Thareja	06/06/19	Meeting with N. Wong (PG&E), R. Shih (PG&E), G. Vadathu (PG&E), S. Yem (PG&E), T. Sedgwick (KPMG), M. Thareja (KPMG), and S. Reddy (KPMG) to discuss migration considerations, support model, and implementation cost of the new Colibra instance.	0.6	
Sreeja Reddy	06/06/19	Meeting with N. Wong (PG&E), R. Shih (PG&E), G. Vadathu (PG&E), S. Yem (PG&E), T. Sedgwick (KPMG), M. Thareja (KPMG), and S. Reddy (KPMG) to discuss migration considerations, support model, and implementation cost of the new Colibra instance.	0.6	
Toby Sedgwick	06/06/19	Meeting with N. Wong (PG&E), R. Shih (PG&E), G. Vadathu (PG&E), S. Yem (PG&E), T. Sedgwick (KPMG), M. Thareja (KPMG), and S. Reddy (KPMG) to discuss migration considerations, support model, and implementation cost of the new Colibra instance.	0.6	
Josh Conkel	06/06/19	Performed process to release DLP data inventory of unstructured repositories in PG&E's Enterprise Deliverable Routing System (EDRS) to be utilized as evidence of the official acceptance / completion of project deliverable.	0.8	
Garrett Dupree	06/06/19	Meeting with T. Sedgwick (KPMG), J. Conkel (KPMG), and G. Dupree (KPMG) to review and perform updates to the Stakeholder Impact Assessment deliverable.	1.3	
Josh Conkel	06/06/19	Meeting with T. Sedgwick (KPMG), J. Conkel (KPMG), and G. Dupree (KPMG) to review and perform updates to the Stakeholder Impact Assessment deliverable.	1.3	

EXHIBIT C2

PG&E Corporation and PG&E Company, et.al.

Case No. 19-30088

Data Security Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Amount
Toby Sedgwick	06/06/19	Meeting with T. Sedgwick (KPMG), J. Conkel (KPMG), and G. Dupree (KPMG) to review and perform updates to the Stakeholder Impact Assessment deliverable.	1.3	
Sreeja Reddy	06/06/19	Continued to revise / develop requirements documentation by using the Collibra administrative guide.	2.0	
Sreeja Reddy	06/06/19	Revised use case documentation based on additional feedback from PG&E	2.1	
Manoj Thareja	06/06/19	(1.0) Meeting with K. Muppa (PG&E) to discuss latest updates to scanner master tracker to capture database size and # of rows; (1.9) Review of scanner master tracker with focus on results and discrepancies (if any)	2.9	
Sreeja Reddy	06/06/19	Revised the Functional Requirements documentation based on feedback from T. Sedgwick (KPMG) and PGE Stakeholders T. Howe (PG&E), G. Vadathu (PG&E), S. Yem (PG&E).	3.3	
Garrett Dupree	06/06/19	Revised the Stakeholder Impact Assessment deliverable to include the identified areas of impact for each stakeholder group based on the effect the Data Security Program will have on these groups.	3.3	
Garrett Dupree	06/06/19	(2.8) Updated the Stakeholder Impact Assessment deliverable to include the stakeholder groups for the 2019 Data Security Program. (1.2) Update the Stakeholder Impact Assessment deliverable to include potential risks / concerns each identified stakeholder group has (relating to Data Security Program efforts).	4.0	
Toby Sedgwick	06/07/19	Meeting with S. Reddy (KPMG) to discuss revisions to facilitate finalization of the Data Inventory Use Case documentation; these documents were revised based on additional client feedback and input	1.0	
Sreeja Reddy	06/07/19	Meeting with T. Sedgwick (KPMG) to discuss revisions to facilitate finalization of the Data Inventory Use Case documentation; these documents were revised based on additional client feedback and input	1.0	
Michael Gomez	06/07/19	Review of Windstream financials to account for impact if PG&E could not capitalize the tool if in fact de-identification tools were going to be removed from scope (assessment accounted for reviewing entire year of engagement financials (KPMG and PG&E) (.6); Participated in executive level discussion with PG&E (J. Sagona) regarding the purchase of the de-identification tool (.4).	1.0	
Manoj Thareja	06/07/19	Meeting with T. Howe (PG&E), G. Vadathu (PG&E), S. Yem (PG&E), T. Sedgwick (KPMG), M. Thareja (KPMG), and S. Reddy (KPMG) to review and finalize the Data Inventory scope & charters (Data Discovery, Data Repository Discovery, and Security Controls).	1.1	

EXHIBIT C2**PG&E Corporation and PG&E Company, et.al.****Case No. 19-30088**

Data Security Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Amount
Sreeja Reddy	06/07/19	Meeting with T. Howe (PG&E), G. Vadathu (PG&E), S. Yem (PG&E), T. Sedgwick (KPMG), M. Thareja (KPMG), and S. Reddy (KPMG) to review and finalize the Data Inventory scope & charters (Data Discovery, Data Repository Discovery, and Security Controls).	1.1	
Toby Sedgwick	06/07/19	Meeting with T. Howe (PG&E), G. Vadathu (PG&E), S. Yem (PG&E), T. Sedgwick (KPMG), M. Thareja (KPMG), and S. Reddy (KPMG) to review and finalize the Data Inventory scope & charters (Data Discovery, Data Repository Discovery, and Security Controls).	1.1	
Toby Sedgwick	06/07/19	(0.5) Reviewed/revised weekly status of project as on 6/7/19 in preparation to provide to G. Vadathu (PG&E); (1.6) Performed Manager review and concurrently revised use case for documenting security controls within Collibra.	2.1	
Sreeja Reddy	06/07/19	Revising the use case documentation based on latest PG&E feedback including creating an additional security remediation use case.	2.2	
Garrett Dupree	06/07/19	(1.0) Compiled a list of weekly achievements and goals for next week related to the DLP workstreams to be sent to key stakeholders at PG&E for showing progress of the project; (1.3) Updated Change Engagement Plan to only include stakeholder groups / communications that are active for this year's efforts.	2.3	
Garrett Dupree	06/07/19	(2.5) Update the Stakeholder Impact Assessment deliverable content to include details on areas of impact, risks and concerns, and support of project initiatives after additional stakeholder groups were identified from correspondence with T. Sedgwick (KPMG).	2.5	
Manoj Thareja	06/07/19	(.5) Meeting with K. Muppa (PG&E) and D. Gaurav (PG&E) to discuss status and next steps related to DLP Scanning and De-ID as of 6/7/19 (.6) meeting with B. Spell (PG&E) and N. Ranga (PG&E) to discuss overall data protection approach, scanning strategy and questions related to same; (0.7) Developed daily running summary scanning log template and (0.1) communicate plan (via email) with scanning team; (0.8) Drafted weekly scanned status summary for G. Vadathu (PG&E) highlighting weekly accomplishment.	2.7	

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Data Security Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Amount
Josh Conkel	06/07/19	(0.6) Draft response to email from A. Huang (PG&E) regarding use of directory services when provisioning Oracle database server accounts in lower environments at PG&E - the subject was to confirm if all lower environment databases use directory services; (2.1) Partially developed rubric required to conduct the gap analysis of cloud cyber response capabilities as it pertains to data loss protection remediation opportunities which includes data element information, sensitivity, number of occurrences, accuracy, and other data elements.	2.7	
Manoj Thareja	06/07/19	(1.0) Meeting to review scanning results from last 24 hours with K. Muppa (PG&E) and N. Ranga (PG&E) for smoother scan runs over the weekend (2.0) Review of Collibra requirements for DSPO	3.0	
Toby Sedgwick	06/07/19	(1.5) Manager review of use case for creating metrics dashboard within Collibra and concurrently revised as needed; (1.2) Manager review of use case for documenting data scanning results within Collibra and concurrently revised as needed; (0.5) Reviewing revisions by G. Vadathu (PG&E) to data inventory scope & charter including corresponding updates within Electronic Document Routing System (EDRS) in preparation for review and approval by F. Medran (PG&E).	3.2	
Sreeja Reddy	06/07/19	Developed requirements documentation to help create the Collibra blueprint documentation.	3.9	
Josh Conkel	06/10/19	Meeting with G. Vadathu (PG&E), D. Gaurav (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), J. Green (PG&E) and B. Spell (PG&E) to explore current capabilities to discover data repositories on the database servers found via Tenable. These repositories will be scanned for sensitive information as part of DSPO's data security and protection initiative.	0.5	
Toby Sedgwick	06/10/19	Meeting with G. Vadathu (PG&E), D. Gaurav (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), J. Green (PG&E) and B. Spell (PG&E) to explore current capabilities to discover data repositories on the database servers found via Tenable. These repositories will be scanned for sensitive information as part of DSPO's data security and protection initiative.	0.5	
Michael Gomez	06/10/19	Meeting with PG&E Chief Information Security Officer (J. Sagona) to discuss the impacts of the new organization structure and how it will impact Data Security engagement.	0.5	
Garrett Dupree	06/10/19	Meeting with T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), S. Reddy (KPMG), and G. Dupree (KPMG) to discuss key weekly action items and potential roadblocks between the Data Inventory, DLP, and De-Identification workstreams.	0.5	

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Name	Date	Description	Hours	Amount
Josh Conkel	06/10/19	Meeting with T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), S. Reddy (KPMG), and G. Dupree (KPMG) to discuss key weekly action items and potential roadblocks between the Data Inventory, DLP, and De-Identification workstreams.	0.5	
Manoj Thareja	06/10/19	Meeting with T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), S. Reddy (KPMG), and G. Dupree (KPMG) to discuss key weekly action items and potential roadblocks between the Data Inventory, DLP, and De-Identification workstreams.	0.5	
Sreeja Reddy	06/10/19	Meeting with T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), S. Reddy (KPMG), and G. Dupree (KPMG) to discuss key weekly action items and potential roadblocks between the Data Inventory, DLP, and De-Identification workstreams.	0.5	
Toby Sedgwick	06/10/19	Meeting with T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), S. Reddy (KPMG), and G. Dupree (KPMG) to discuss key weekly action items and potential roadblocks between the Data Inventory, DLP, and De-Identification workstreams.	0.5	
Garrett Dupree	06/10/19	Meeting with G. Vadathu (PG&E), T. Howe (PG&E), S. Yem (PG&E), K. Muppa (PG&E), D. Gaurav (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), S. Reddy (KPMG), and G. Dupree (KPMG) to discuss weekly action items and potential roadblocks related to the Data Inventory, DLP, and De-Identification workstreams.	1.7	
Josh Conkel	06/10/19	Meeting with G. Vadathu (PG&E), T. Howe (PG&E), S. Yem (PG&E), K. Muppa (PG&E), D. Gaurav (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), S. Reddy (KPMG), and G. Dupree (KPMG) to discuss weekly action items and potential roadblocks related to the Data Inventory, DLP, and De-Identification workstreams.	1.7	
Manoj Thareja	06/10/19	Meeting with G. Vadathu (PG&E), T. Howe (PG&E), S. Yem (PG&E), K. Muppa (PG&E), D. Gaurav (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), S. Reddy (KPMG), and G. Dupree (KPMG) to discuss weekly action items and potential roadblocks related to the Data Inventory, DLP, and De-Identification workstreams.	1.7	

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Name	Date	Description	Hours	Amount
Sreeja Reddy	06/10/19	Meeting with G. Vadathu (PG&E), T. Howe (PG&E), S. Yem (PG&E), K. Muppa (PG&E), D. Gaurav (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), S. Reddy (KPMG), and G. Dupree (KPMG) to discuss weekly action items and potential roadblocks related to the Data Inventory, DLP, and De-Identification workstreams.	1.7	
Toby Sedgwick	06/10/19	Meeting with G. Vadathu (PG&E), T. Howe (PG&E), S. Yem (PG&E), K. Muppa (PG&E), D. Gaurav (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), S. Reddy (KPMG), and G. Dupree (KPMG) to discuss weekly action items and potential roadblocks related to the Data Inventory, DLP, and De-Identification workstreams.	1.7	
Sreeja Reddy	06/10/19	Drafting Change Management Documentation which is part of client deliverable related to Data Security Program Statement of Work.	2.0	
Manoj Thareja	06/10/19	(.6) Meeting with C. Gutridge (PG&E), J. Green (PG&E), T. Howe (PG&E), D. Gaurav (PG&E) to discuss tenable or other capabilities to discover data repositories on tenable found database servers; (.5) Participated in daily touch-base meeting with K. Muppa (PG&E) and D. Gaurav (PG&E) to discuss status of DLP Scanning and De-ID as of 6/10/19; (.5) Discussion with K. Muppa (PG&E) on next steps related to scans that show only 0 MB scanned (1.0) Searched and reviewed PG&E Internal portal for Data Classification policy for any impact to Data Protection Strategy	2.6	
Toby Sedgwick	06/10/19	Drafted presentation for meeting with D. Hatton (PG&E) to explain why HR data feed is required for scanning as well as how the data is protected by the data security program.	2.8	
Garrett Dupree	06/10/19	Recalculate and concurrently verify the data inventory deliverable metrics across file shares and SharePoint at the request of G. Vadathu (PG&E) in order to ensure the inventory provided is complete.	2.9	
Toby Sedgwick	06/10/19	(1.3) Manager review of presentation for upcoming meeting with F. Medrano (PG&E); (1.8) Manager review of Change Engagement Plan and concurrently provided written feedback to provide to project team.	3.1	
Sreeja Reddy	06/10/19	(2.6) Reviewed DLP Change Management documentation to draft the Data Inventory Change Management document deliverable for the Data Security Program (task required research and document outlining); (1.1) Updating requirements traceability matrix documentation based on additional client conditions.	3.7	

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Garrett Dupree	06/10/19	(2.1) Update Stakeholder Impact Assessment deliverable stakeholder concerns and benefits sections for all identified stakeholder groups; (2.3) Updated the Stakeholder Impact Assessment deliverable stakeholder potential people related risks sections for all identified stakeholder groups.	4.4	
Toby Sedgwick	06/11/19	Meeting with G. Vadathu (PG&E) and M. Thareja (KPMG) to discuss project risks and to begin to identify stakeholders for Inventory stakeholder impact assessment.	0.5	
Manoj Thareja	06/11/19	Meeting with G. Vadathu (PG&E) and T. Sedgwick (KPMG) to discuss project risks and to begin to identify stakeholders for Inventory stakeholder impact assessment.	0.5	
Garrett Dupree	06/11/19	Meeting with G. Vadathu (PG&E), S. Yem (PG&E), P. Reeves (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), and G. Dupree (KPMG) to discuss procedures for enumerating a full list of SharePoint site targets needed for import into Symantec DLP in order to facilitate scanning of these unstructured repositories	0.5	
Josh Conkel	06/11/19	Meeting with G. Vadathu (PG&E), S. Yem (PG&E), P. Reeves (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), and G. Dupree (KPMG) to discuss procedures for enumerating a full list of SharePoint site targets needed for import into Symantec DLP in order to facilitate scanning of these unstructured repositories.	0.5	
Toby Sedgwick	06/11/19	Meeting with G. Vadathu (PG&E), S. Yem (PG&E), P. Reeves (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), and G. Dupree (KPMG) to discuss procedures for enumerating a full list of SharePoint site targets needed for import into Symantec DLP in order to facilitate scanning of these unstructured repositories	0.5	
Garrett Dupree	06/11/19	Meeting with G. Vadathu (PG&E), S. Yem (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), and G. Dupree (KPMG) to review the Stakeholder Impact Assessment and Change Engagement Plan deliverables for approval.	0.7	
Josh Conkel	06/11/19	Meeting with G. Vadathu (PG&E), S. Yem (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), and G. Dupree (KPMG) to review the Stakeholder Impact Assessment and Change Engagement Plan deliverables for approval.	0.7	
Toby Sedgwick	06/11/19	Meeting with G. Vadathu (PG&E), S. Yem (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), and G. Dupree (KPMG) to review the Stakeholder Impact Assessment and Change Engagement Plan deliverables for approval.	0.7	
Sreeja Reddy	06/11/19	Meeting with M. Thareja (KPMG) to review and concurrently discuss traceability matrix document for Collibra	1.0	

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Name	Date	Description	Hours	Amount
Manoj Thareja	06/11/19	Meeting with S. Reddy (KPMG) to review and concurrently discuss traceability matrix document for Colibra	1.0	
Toby Sedgwick	06/11/19	(0.5) Meeting with D. Hatton (PG&E), and T. Howe (PG&E) to discuss process to obtain access to a set of HR data to create Exact Data Match index to improve scanning accuracy; (1.2) Meeting with T. Howe (PG&E) and S. Rai (PG&E) to prepare for meeting with D. Hatton (PG&E) to discuss obtaining access to a set of HR data to create Exact Data Match index to improve scanning accuracy	1.7	
Sreeja Reddy	06/11/19	Updated NON-functional requirements documentation in preparation for client review	1.8	
Manoj Thareja	06/11/19	(.5) Participate in daily touch-base meeting with K. Muppa (PG&E) and D. Gaurav (PG&E) to discuss status of DLP Scanning and De-ID as of 6/11/19. (.6) Discussion and follow-ups with DBA team (PG&E) on MSSQL databases with no user space (.6) Discussion around Oracle Production database access via OVM with DBA team (PG&E) (.9) Review and verification of Data Scan results for reporting	2.6	
Sreeja Reddy	06/11/19	(1.8) Review and concurrently draft the stakeholder impact assessment; (.7) Updated requirements documentation with regards to additional client feedback received.	2.5	
Garrett Dupree	06/11/19	Update the Change Engagement Plan deliverable to group stakeholders by department, not include extraneous communications that the program will not support, and extend launch dates for planned quarterly communications.	2.5	
Sreeja Reddy	06/11/19	(1.5) Continued (from 6/10) to draft the Data Inventory Change Management Documentation; (1.2) Updated the functional requirements matrix in preparation for client review	2.7	
Garrett Dupree	06/11/19	Continue (from 6/10) to verify data inventory metrics submitted by checking additional spreadsheets received from the Network Attached Storage team while concurrently noting if any changes to file share storage capacities have changed.	2.9	
Manoj Thareja	06/11/19	Drafted leadership meeting deck to cover key discussion points as well as key metrics for scanning and data classification	3.4	
Garrett Dupree	06/11/19	Research additional methods for connecting to SharePoint repositories in preparation for meeting with P. Reeves (PG&E).	3.4	
Michael Gomez	06/12/19	Meeting with PG&E (J. Heffelfinger) to discuss the need to accelerate deliverable review per the Contract Work Authorization (CWA).	0.5	

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Garrett Dupree	06/12/19	Meeting with F. Medrano (PG&E), S. Rai (PG&E), G. Vadathu (PG&E), S. Yem (PG&E), T. Howe (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), and G. Dupree (KPMG) to discuss the progress of the Data Security Program workstreams and review the DLP Scope & Charter deliverable for approval.	1.4	
Josh Conkel	06/12/19	Meeting with F. Medrano (PG&E), S. Rai (PG&E), G. Vadathu (PG&E), S. Yem (PG&E), T. Howe (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), and G. Dupree (KPMG) to discuss the progress of the Data Security Program workstreams and review the DLP Scope & Charter deliverable for approval.	1.4	
Manoj Thareja	06/12/19	Meeting with F. Medrano (PG&E), S. Rai (PG&E), G. Vadathu (PG&E), S. Yem (PG&E), T. Howe (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), and G. Dupree (KPMG) to discuss the progress of the Data Security Program workstreams and review the DLP Scope & Charter deliverable for approval.	1.4	
Toby Sedgwick	06/12/19	Meeting with F. Medrano (PG&E), S. Rai (PG&E), G. Vadathu (PG&E), S. Yem (PG&E), T. Howe (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), and G. Dupree (KPMG) to discuss the progress of the Data Security Program workstreams and review the DLP Scope & Charter deliverable for approval.	1.4	
Garrett Dupree	06/12/19	Meeting with G. Vadathu (PG&E), T. Howe (PG&E), S. Yem (PG&E), N. Ranganathan (PG&E), K. Muppa (PG&E), D. Gaurav (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), S. Reddy (KPMG), and G. Dupree (KPMG) to review scanning progress and discuss weekly action items related to the Data Inventory, DLP, and De-Identification workstreams as of 6/12/19.	1.5	
Josh Conkel	06/12/19	Meeting with G. Vadathu (PG&E), T. Howe (PG&E), S. Yem (PG&E), N. Ranganathan (PG&E), K. Muppa (PG&E), D. Gaurav (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), S. Reddy (KPMG), and G. Dupree (KPMG) to review scanning progress and discuss weekly action items related to the Data Inventory, DLP, and De-Identification workstreams as of 6/12/19.	1.5	
Manoj Thareja	06/12/19	Meeting with G. Vadathu (PG&E), T. Howe (PG&E), S. Yem (PG&E), N. Ranganathan (PG&E), K. Muppa (PG&E), D. Gaurav (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), S. Reddy (KPMG), and G. Dupree (KPMG) to review scanning progress and discuss weekly action items related to the Data Inventory, DLP, and De-Identification workstreams as of 6/12/19.	1.5	

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Name	Date	Description	Hours	Amount
Sreeja Reddy	06/12/19	Meeting with G. Vadathu (PG&E), T. Howe (PG&E), S. Yem (PG&E), N. Ranganathan (PG&E), K. Muppa (PG&E), D. Gaurav (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), S. Reddy (KPMG), and G. Dupree (KPMG) to review scanning progress and discuss weekly action items related to the Data Inventory, DLP, and De-Identification workstreams as of 6/12/19.	1.5	
Toby Sedgwick	06/12/19	Meeting with G. Vadathu (PG&E), T. Howe (PG&E), S. Yem (PG&E), N. Ranganathan (PG&E), K. Muppa (PG&E), D. Gaurav (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), S. Reddy (KPMG), and G. Dupree (KPMG) to review scanning progress and discuss weekly action items related to the Data Inventory, DLP, and De-Identification workstreams as of 6/12/19.	1.5	
Toby Sedgwick	06/12/19	Revised leadership presentation that will be used during upcoming meeting with F. Medrano (PG&E) to incorporate feedback from T. Howe (PG&E) and S. Rai (PG&E)	1.8	
Sreeja Reddy	06/12/19	Continued, from previous day, to draft Change Management Documentation which is part of client deliverable related to Data Security Program Statement of Work.	2.6	
Michael Gomez	06/12/19	(.8) Meeting with PG&E (F. Medrano and C. Bravo) for further discussion regarding status of project and the need to accelerate review of deliverables; (1.0) Principal review of weekly status report documentation and concurrently provide feedback to provide to T. Sedgwick (KPMG); (1.2) meeting with PG&E stakeholders (F. Medrano, T. Howe, and S. Rai) to discuss progress on engagement as of 6/12/19.	3.0	
Garrett Dupree	06/12/19	Update the standard operating procedures for compiling a database of on-premises unstructured repositories to include additional information about collecting metrics data for SharePoint repositories based off of the discovery of new SharePoint web-page functionalities.	3.0	
Manoj Thareja	06/12/19	(2.5) Meeting with K. Muppa (PG&E) and D. Gaurav (PG&E) to discuss DLP performance improvements with leveraging idle DLP time between scans, how to build database connection strings efficiently, looks at the incidents / customer sensitive data etc. (.6) Meeting with S. Yem (PG&E) to discuss strategy for sensitive employee data scanning	3.1	
Garrett Dupree	06/12/19	Update the DLP Scope & Charter success criteria for the Data-At-Rest section to include more measureable outcomes of success that are not deliverables at the request of F. Medrano (PG&E).	3.1	

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Josh Conkel	06/12/19	Analyzed Symantec DLP response rule capabilities with respect to current PG&E cloud data enforcement capabilities; these rules will be used in the Symantec Data Loss Protection Gap Analysis Deliverable when completed.	3.7	
Sreeja Reddy	06/12/19	(1.4) Updated use cases in preparation for client review; (.6) Drafted communication regarding additional client meetings required for use case and requirements documentation review for dissemination to team (1.9) Updated requirements documentation to align closer with the Collibra admin guide.	3.9	
Manoj Thareja	06/12/19	(.5) Meeting with K. Muppa (PG&E) and D. Gaurav (PG&E) to discuss status of on DLP Scanning and De-ID as of 6/12/19. (1.5) Updated to leadership meeting deck with scan results from today as well status updates from team on key action items (.6) Meeting with T. Howe (PG&E) to discuss the strategy for Data Classification Backlog (1.5) Drafted AMPS Data Classification backlog strategy	4.1	
Toby Sedgwick	06/13/19	Meeting with G. Vadathu (PG&E), M. Thareja (KPMG) to discuss project risks and issues.	0.5	
Manoj Thareja	06/13/19	Meeting with G. Vadathu (PG&E), T. Sedgwick (KPMG) to discuss project risks and issues.	0.5	
Manoj Thareja	06/13/19	Participate in daily touch-base meeting with K. Muppa (PG&E) and D. Gaurav (PG&E) to discuss status and next steps related to DLP Scanning and De-Identification as of 6/13/19.	0.5	
Sreeja Reddy	06/13/19	Updated Traceability Matrix with additional product requirements based on Data Inventory use cases	1.7	
Sreeja Reddy	06/13/19	Reviewed Collibra administrative guide with regards to recent updates in traceability matrix	2.6	
Garrett Dupree	06/13/19	(1.0) Generate the request for the SharePoint operations team to run the PowerShell script needed to enumerate the full list of targets for scanning of these repositories; (2.0) Update the DLP Scope & Charter success criteria for the Data-In-Motion section to include more measureable outcomes of success that are not deliverables at the request of F. Medrano (PG&E).	3.0	
Manoj Thareja	06/13/19	(2.5) Drafted AMPS Data Classification backlog strategy; (.5) Discussion with D. Gaurav (PG&E) to discuss pending tasks to be completed related to De-ID and prioritization related to learning DLP.	3.0	
Sreeja Reddy	06/13/19	Continued to update requirements documentation after further requirements were identified.	3.8	
Toby Sedgwick	06/14/19	Discussion with S. Reddy (KPMG) regarding functional and non-functional requirements documentation - in preparation for client meeting	0.5	
Sreeja Reddy	06/14/19	Discussion with T. Sedgwick (KPMG) regarding functional and non-functional requirements documentation - in preparation for client meeting	0.5	

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Toby Sedgwick	06/14/19	Manager review of weekly status update concerning the data security projects that is sent to all project stakeholders prior to providing to G. Vadathu (PG&E).	0.5	
Manoj Thareja	06/14/19	Participated in daily touch-base meeting with K. Muppa (PG&E) and D. Gaurav (PG&E) to discuss status and next steps related to DLP Scanning and De-Identification as of 6/14/19.	0.5	
Toby Sedgwick	06/14/19	Meeting with R. Shih (PG&E), S. Yem (PG&E), G. Vadathu and S. Reddy (KPMG) to discuss Collibra requirements relating to user licensing and development access.	0.7	
Sreeja Reddy	06/14/19	Meeting with R. Shih (PG&E), S. Yem (PG&E), G. Vadathu and T. Sedgwick (KPMG) to discuss Collibra requirements relating to user licensing and development access.	0.7	
Garrett Dupree	06/14/19	Meeting with G. Vadathu (PG&E), T. Howe (PG&E), S. Yem (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), and G. Dupree (KPMG) to review the updated Stakeholder Impact Assessment and Change Engagement Plan deliverables for approval.	1.0	
Josh Conkel	06/14/19	Meeting with G. Vadathu (PG&E), T. Howe (PG&E), S. Yem (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), and G. Dupree (KPMG) to review the updated Stakeholder Impact Assessment and Change Engagement Plan deliverables for approval.	1.0	
Toby Sedgwick	06/14/19	Meeting with G. Vadathu (PG&E), T. Howe (PG&E), S. Yem (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), and G. Dupree (KPMG) to review the updated Stakeholder Impact Assessment and Change Engagement Plan deliverables for approval.	1.0	
Manoj Thareja	06/14/19	Meeting with T. Howe (PG&E), G. Vadathu (PG&E), S. Yem (PG&E), T. Sedgwick (KPMG), M. Thareja (KPMG), and S. Reddy (KPMG) to discuss functional and non-functional Collibra requirements.	1.1	
Toby Sedgwick	06/14/19	Meeting with T. Howe (PG&E), G. Vadathu (PG&E), S. Yem (PG&E), T. Sedgwick (KPMG), M. Thareja (KPMG), and S. Reddy (KPMG) to discuss functional and non-functional Collibra requirements.	1.1	
Sreeja Reddy	06/14/19	Meeting with T. Howe (PG&E), G. Vadathu (PG&E), S. Yem (PG&E), T. Sedgwick (KPMG), M. Thareja (KPMG), and S. Reddy (KPMG) to discuss functional and non-functional Collibra requirements.	1.1	
Garrett Dupree	06/14/19	Update the Standard operating procedures to include the new steps involved in obtaining SharePoint credentials after new information was received from P. Reeves (PG&E).	1.5	
Manoj Thareja	06/14/19	Continue (from previous day) to draft AMPS Data Classification backlog strategy	1.9	

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Sreeja Reddy	06/14/19	Review of Collibra use cases in order to identify additional product requirements for the Data Inventory workstream.	2.0	
Garrett Dupree	06/14/19	(1.0) Update the Standard operating procedures to include the new steps involved in requesting the SharePoint operations team to run the necessary PowerShell script for enumerating the full list of site targets after new information was received from P. Reeves (PG&E) ; (1.0) Update the DLP Scope & Charter success criteria for the Cloud DLP section to include more measureable outcomes of success that are not deliverables at the request of F. Medrano (PG&E); (1.0) Update the DLP Scope & Charter success criteria for the Unstructured DLP section to include more measureable outcomes of success that are not deliverables at the request of F. Medrano (PG&E)	3.0	
Sreeja Reddy	06/14/19	1.2 Updated non-functional Collibra requirements documentation based on additional feedback from T. Sedgwick (KPMG); 2.4 Analyzed Change Management document against Collibra and DLP requirements	3.6	
Michael Gomez	06/17/19	(0.8) Discussion with PG&E (J. Sagona) regarding changes to the PG&E organization including how it will affect the Data Security engagement; (0.2) discussion with PG&E Manager (S. Treviti) regarding security architecture.	1.0	
Toby Sedgwick	06/17/19	Meeting with G. Vadathu (PG&E) to discuss revisions to the De-Identification project scope & charter and to identify additional required updates as of 6/17/19.	1.2	
Garrett Dupree	06/17/19	Meeting with G. Vadathu (PG&E), T. Howe (PG&E), S. Yem (PG&E), K. Muppa (PG&E), D. Gaurav (PG&E), T. Sedgwick (KPMG), M. Thareja (KPMG), S. Reddy (KPMG), and G. Dupree (KPMG) to discuss weekly action items and potential roadblocks related to the Data Inventory, DLP, and De-Identification workstreams.	1.4	
Manoj Thareja	06/17/19	Meeting with G. Vadathu (PG&E), T. Howe (PG&E), S. Yem (PG&E), K. Muppa (PG&E), D. Gaurav (PG&E), T. Sedgwick (KPMG), M. Thareja (KPMG), S. Reddy (KPMG), and G. Dupree (KPMG) to discuss weekly action items and potential roadblocks related to the Data Inventory, DLP, and De-Identification workstreams.	1.4	
Sreeja Reddy	06/17/19	Meeting with G. Vadathu (PG&E), T. Howe (PG&E), S. Yem (PG&E), K. Muppa (PG&E), D. Gaurav (PG&E), T. Sedgwick (KPMG), M. Thareja (KPMG), S. Reddy (KPMG), and G. Dupree (KPMG) to discuss weekly action items and potential roadblocks related to the Data Inventory, DLP, and De-Identification workstreams.	1.4	

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Name	Date	Description	Hours	Amount
Toby Sedgwick	06/17/19	Meeting with G. Vadathu (PG&E), T. Howe (PG&E), S. Yem (PG&E), K. Muppa (PG&E), D. Gaurav (PG&E), T. Sedgwick (KPMG), M. Thareja (KPMG), S. Reddy (KPMG), and G. Dupree (KPMG) to discuss weekly action items and potential roadblocks related to the Data Inventory, DLP, and De-Identification workstreams.	1.4	
Manoj Thareja	06/17/19	(.5) Participated in daily touch-base meeting with K. Muppa (PG&E) and D. Gaurav (PG&E) to discuss status and next steps related to DLP Scanning and De-Identification as of 6/17/19. (1.0) Meeting with G. Vadathu (PG&E) to collect inputs on how AMPS is updated and maintained; (1.0) Added 3 additional backlog metrics to executive summary report for combine it with other 2 metrics and have all 5 on one single side from graphics team	2.5	
Sreeja Reddy	06/17/19	Continued (same day) to draft the Change Management documentation which requires review of multiple deliverables and research (as needed) to draft.	3.3	
Sreeja Reddy	06/17/19	Drafted the Change Management documentation which requires review of multiple deliverables and research (as needed) to draft.	3.3	
Garrett Dupree	06/17/19	Updated the Change Engagement Plan deliverable to include communications information related to new stakeholder groups related to SharePoint, file shares, and Documentum.	3.4	
Garrett Dupree	06/17/19	Update the Stakeholder Impact Assessment deliverable to include stakeholder impacts and concerns information related to new SharePoint, file shares, and Documentum as a result of the program DLP efforts.	3.7	
Manoj Thareja	06/17/19	(3.5) Conducted workshop with K. Muppa (PG&E) and D. Gaurav (PG&E) on DLP Scanning tracker and related issues (handling of partial scans, updated for AMPS classification backlog, maintain access list of non AMPS databases, production oracle database connection issues, efforts involved on analyzing scan logs, capture database deletions by DBAs, handling of database in AMPS and not in tenable and vice-versa) (.3) follow-up with C. Gutridge (PG&E) team regarding tenable capabilities to discover data repositories on tenable found database servers (.2) follow-up with Oracle DBA team regarding Production database access	4.0	
Toby Sedgwick	06/18/19	Meeting with M. Zanko (KPMG) and S. Reddy (KPMG) to discuss Collibra onboarding and implementation at PG&E.	0.5	
Sreeja Reddy	06/18/19	Meeting with T. Sedgwick, M. Zanko (KPMG) to discuss Collibra onboarding and implementation at PG&E.	0.5	

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Manoj Thareja	06/18/19	Participated in daily stand-up meeting with G. Vadathu (PG&E) and T. Sedgwick (KPMG) on project status and progress as of 6/18/19.	0.5	
Toby Sedgwick	06/18/19	Participated in daily stand-up meeting with G. Vadathu (PG&E) and T. Sedgwick (KPMG) on project status and progress as of 6/18/19.	0.5	
Toby Sedgwick	06/18/19	0.5 Prepared notes from meeting with M. Ravipati (PG&E) and sent to G. Dupree (KPMG) to update / send to PG&E team members; 0.3 Communication with S. Reddy (KPMG) regarding best approach related to outline for Inventory Change Engagement Plan.	0.8	
Garrett Dupree	06/18/19	Meeting with M. Ravipati (PG&E), G. Vadathu (PG&E), S. Yem (PG&E), C. Kantar (PG&E), M. Petteys (PG&E), C. Yee (PG&E), T. Howe (PG&E), S. Kuppuswamy (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), and G. Dupree (KPMG) to evaluate the current cloud security controls and capabilities in place at PG&E in order to complete the Cloud DLP Gap Analysis deliverable.	1.0	
Josh Conkel	06/18/19	Meeting with M. Ravipati (PG&E), G. Vadathu (PG&E), S. Yem (PG&E), C. Kantar (PG&E), M. Petteys (PG&E), C. Yee (PG&E), T. Howe (PG&E), S. Kuppuswamy (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), and G. Dupree (KPMG) to evaluate the current cloud security controls and capabilities in place at PG&E in order to complete the Cloud DLP Gap Analysis deliverable.	1.0	
Toby Sedgwick	06/18/19	Meeting with M. Ravipati (PG&E), G. Vadathu (PG&E), S. Yem (PG&E), C. Kantar (PG&E), M. Petteys (PG&E), C. Yee (PG&E), T. Howe (PG&E), S. Kuppuswamy (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), and G. Dupree (KPMG) to evaluate the current cloud security controls and capabilities in place at PG&E in order to complete the Cloud DLP Gap Analysis deliverable.	1.0	
Sreeja Reddy	06/18/19	Updated the success criteria section in the Data Inventory Project Charter based on feedback from the client.	1.7	
Sreeja Reddy	06/18/19	Continued to prepare the Change Management Documentation; this is a comprehensive deliverable that is subject to multiple versions and revisions.	2.7	
Manoj Thareja	06/18/19	(.5) Participated in daily touch-base meeting with K. Muppa (PG&E) and D. Gaurav (PG&E) to discuss status and next steps related to DLP Scanning and De-ID as of 6/18/19; (1.5) Updated the scanning strategy for partial scan, classification gaps, status descriptions-including the addition of more details under rule book; (1.0) Provided additional information to graphics team related to metrics cosmetic work	3.0	

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Garrett Dupree	06/18/19	Draft the introduction of the standard operating procedures to introduce the purpose of the document and layout the sections to follow that cover file shares, SharePoint, and Documentum.	3.0	
Sreeja Reddy	06/18/19	(1.4) Reviewed DLP stakeholder impact assessment with regards to revisions to Change Management documentation; (1.7) Continued to revise the functional requirements documentation based on results of additional Colibra meetings	3.1	
Manoj Thareja	06/18/19	(2.0) Updated AMPS data classification backlog strategy with AMPS update process; (1.0) Review of daily scanning tracker, found issues with classification and (0.5) communication with K. Muppa (PG&E) regarding same.	3.5	
Toby Sedgwick	06/18/19	0.5 Provided instructions to KPMG team members for updating inventory metrics to incorporate changes requested by T. Howe (PG&E); 2.1 Update Deliverable Responsibility Matrix (DRM) for Data Loss Prevention (DLP) project and Inventory project to facilitate deliverable review and approval by PG&E team members; 1.2 Review Deliverable Responsibility Matrix (DRM) with G. Vadathu (PG&E) and identify required changes.	3.8	
Garrett Dupree	06/18/19	(1.0) Review of notes from meeting with Cloud COE team and concurrently identify gaps within PG&E's cloud environment security controls for use with the gap analysis deliverable; (3.5) Investigate discrepancies between the SharePoint site usage metrics posted on the SharePoint dashboard versus the metrics calculated from the site usage list in order to finalize the most accurate procedure for maintaining these data inventory metrics.	4.5	
Toby Sedgwick	06/19/19	Meeting with S. Reddy (KPMG) to review and concurrently discuss Change Management documentation content including additional process flows.	0.5	
Sreeja Reddy	06/19/19	Meeting with T. Sedgwick (KPMG) to review and concurrently discuss Change Management documentation content including additional process flows.	0.5	
Garrett Dupree	06/19/19	Meeting with G. Vadathu (PG&E), T. Howe (PG&E), S. Yem (PG&E), N. Ranganathan (PG&E), K. Muppa (PG&E), D. Gaurav (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), and G. Dupree (KPMG) to review scanning progress and discuss weekly action items related to the DLP and De-Identification workstreams as of 6/19/19.	1.4	

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Name	Date	Description	Hours	Amount
Josh Conkel	06/19/19	Meeting with G. Vadathu (PG&E), T. Howe (PG&E), S. Yem (PG&E), N. Ranganathan (PG&E), K. Muppa (PG&E), D. Gaurav (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), and G. Dupree (KPMG) to review scanning progress and discuss weekly action items related to the DLP and De-Identification workstreams as of 6/19/19.	1.4	
Manoj Thareja	06/19/19	Meeting with G. Vadathu (PG&E), T. Howe (PG&E), S. Yem (PG&E), N. Ranganathan (PG&E), K. Muppa (PG&E), D. Gaurav (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), and G. Dupree (KPMG) to review scanning progress and discuss weekly action items related to the DLP and De-Identification workstreams as of 6/19/19.	1.4	
Toby Sedgwick	06/19/19	Meeting with G. Vadathu (PG&E), T. Howe (PG&E), S. Yem (PG&E), N. Ranganathan (PG&E), K. Muppa (PG&E), D. Gaurav (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), and G. Dupree (KPMG) to review scanning progress and discuss weekly action items related to the DLP and De-Identification workstreams as of 6/19/19.	1.4	
Garrett Dupree	06/19/19	Draft the final standard operating procedures for collecting storage metrics for SharePoint sites across all SharePoint web applications.	2.8	
Sreeja Reddy	06/19/19	Continued (from 6/18) to develop (and concurrently revise as needed) the Change Management documentation based on results of review of additional supporting documentation.	3.3	
Manoj Thareja	06/19/19	(.5) Participated in daily touch-base meeting with K. Muppa (PG&E) and D. Gaurav (PG&E) on DLP Scanning and De-ID (.5) Meeting with T. Howe (PG&E) to discuss data classification correction strategy (1.4) Meeting with T. Nguyen (PG&E), K. Muppa (PG&E) and D. Gaurav (PG&E) to discuss and resolve Oracle database connection name issue; all expectations will be reported back to DBA (DataBase Administrator) team by DSPO; (1.0) Revise of proposed architecture blueprint by S. Yem (PG&E) for DAR (Data At Rest) scan capacity expansion.	3.4	
Manoj Thareja	06/19/19	(1.9) Review of master scanning tracker with K. Muppa (PG&E) and D. Gaurav (PG&E) - need updated status (partial / full scan), classification and related application info (.3) Review of leadership metrics update from NDPPS (1.2) Added DSPO related communication plan to Change Management Plan	3.4	

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Sreeja Reddy	06/19/19	(2.7) Continued, from earlier in the day, to develop change management documentation based on results of review of additional supporting documentation; (1.5) Reviewed and concurrently revised data inventory project plan (these deliverables go through multiple revisions).	4.2	
Garrett Dupree	06/19/19	(1.6) Take screenshots of the SharePoint inventory process for the standard operating procedures for maintaining an inventory of unstructured on-premises repositories deliverable; (2.8) Draft the final standard operating procedures for collecting storage metrics for network file shares including personal drives, group shares, file transfer shares, and administrator shares.	4.4	
Toby Sedgwick	06/20/19	Meeting with S. Reddy (KPMG) regarding updated PG&E action items and status of deliverables as of 6/20/19.	0.4	
Sreeja Reddy	06/20/19	Meeting with T. Sedgwick (KPMG) regarding updated PG&E action items and status of deliverables as of 6/20/19.	0.4	
Toby Sedgwick	06/20/19	Participated in daily stand-up meeting with G. Vadathu (PG&E), M. Thareja (KPMG) and T. Sedgwick (KPMG) to discuss project status and next steps as of 6/20/19.	0.5	
Manoj Thareja	06/20/19	Participated in daily touch-base meeting with K. Muppa (PG&E) and D. Gaurav (PG&E) to discuss updates and next steps related to DLP Scanning and De-identification as of 6/20/19.	0.5	
Manoj Thareja	06/20/19	Meeting with C. Yem (PG&E), K. Muppa (PG&E), A. Singh (PG&E), G. Vadathu (PG&E), M. Thareja (KPMG) - partial attendance and T. Sedgwick (KPMG), and J. Conkel (KPMG) to discuss the high level solution blueprint for the basic infrastructure build for the de-identification tool with DataGuise.	1.0	
Manoj Thareja	06/20/19	(.5) Participated in daily stand-up meeting with G. Vadathu (PG&E), M. Thareja (KPMG) and T. Sedgwick (KPMG) to discuss project status and next steps as of 6/20/19; (1.0) Participated in weekly meeting with G. Vadathu (PG&E), T. Howe (PG&E), the PG&E privacy team and EY team to discuss the California Consumer Privacy Act.	1.5	
Michael Gomez	06/20/19	Partner review of latest draft of program deliverables and concurrently draft feedback to provide to KPMG project team	1.0	
Sreeja Reddy	06/20/19	Reviewed historic DLP / client tool implementation example to facilitate drafting of same for PG&E	1.2	
Toby Sedgwick	06/20/19	Meeting with C. Yem (PG&E), K. Muppa (PG&E), A. Singh (PG&E), G. Vadathu (PG&E), M. Thareja (KPMG) - partial attendance and T. Sedgwick (KPMG), and J. Conkel (KPMG) to discuss the high level solution blueprint for the basic infrastructure build for the de-identification tool with DataGuise.	1.5	

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Manoj Thareja	06/20/19	Updated to AMPS data classification backlog strategy for LOB related classification (.4) Meeting with T. Howe (PG&E) to collect input on data classification by LOB (Line of Business)	2.4	
Manoj Thareja	06/20/19	(.5) Participated in daily touch-base meeting with K. Muppa (PG&E) and D. Gaurav (PG&E) to discuss status and next steps related to DLP Scanning and De-Identification as of 6/20/19; (1.6) Meeting with K. Muppa (PG&E) and D. Gaurav (PG&E) to review and concurrently discuss master scanning tracker including handling of duplicate / cloned databases and addition of new status (to skip those) (.5) Prepared draft agenda / action items as preparation work for meeting with DataGuise on De-Identification tool	2.6	
Sreeja Reddy	06/20/19	Drafted the de-identification scope & charter; this is a comprehensive client deliverable that outlines the entire scope of the project.	3.1	
Sreeja Reddy	06/20/19	Drafted scope & charter documentation for de-identification workstream by utilizing existing collateral (DLP charter / PG&E tool implementation charter)	3.3	
Garrett Dupree	06/20/19	(1.0) Collect statistics reflecting the accuracy of identifying information using the EDM index technique to incorporate into the DLP Scope & Charter success criteria to show more measurable outcomes of the program; (2.5) Edit the macro visual basic script (for creating the enumerated list of file shares) to include detailed comments regarding the function of each section so that this script can be attached to the standard operating procedures deliverable.	3.5	
Garrett Dupree	06/20/19	Draft the introductions to the standard operating procedures deliverable for the compiling repository metrics, enumerating site collections, and enumerating file share lists sections.	3.5	
Toby Sedgwick	06/21/19	Meeting with G. Vadathu (PG&E) and M. Thareja (KPMG) to discuss project status and progress as of 6/21/19.	0.5	
Manoj Thareja	06/21/19	Meeting with G. Vadathu (PG&E) and T. Sedgwick (KPMG) to discuss project status and progress as of 6/21/19.	0.5	
Manoj Thareja	06/21/19	Build Pivot table / summary on Master Scanner List for Leadership metrics	1.0	
Josh Conkel	06/20/19	Meeting with C. Yem (PG&E), K. Muppa (PG&E), A. Singh (PG&E), G. Vadathu (PG&E), M. Thareja (KPMG), T. Sedgwick (KPMG) and J. Conkel (KPMG) - partial attendance - to discuss the high level solution blueprint for the basic infrastructure build for the de-identification tool with DataGuise.	1.5	

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Name	Date	Description	Hours	Amount
Manoj Thareja	06/21/19	Meeting with C. Yem (PG&E), K. Muppa (PG&E), A. Singh (PG&E), G. Vadathu (PG&E), M. Thareja (KPMG), T. Sedgwick (KPMG) and J. Conkel (KPMG) - partial attendance - to discuss the high level solution blueprint for the basic infrastructure build for the de-identification tool with DataGuise.	1.5	
Sreeja Reddy	06/21/19	(0.1) Prepared and (0.1) emailed weekly status report (as requested by client) to PG&E. 1.8 Reviewed DLP / PG&E tool implementation documentation to facilitate drafting of de-identification scope & charter.	2.0	
Sreeja Reddy	06/21/19	Continued to develop functionality requirements documentation based on additional feedback given by PGE Stakeholders G. Vadathu (PG&E), S. Yem (PG&E).	2.3	
Manoj Thareja	06/21/19	(.5) Participate in touch-base meeting with K. Muppa (PG&E) and D. Gaurav (PG&E) to discuss status of DLP Scanning and De-ID as of 6/21/19; and (2.0) Meeting with T. Howe (PG&E) to discuss preparation of Leadership deck	2.5	
Garrett Dupree	06/21/19	Take additional screenshots of the file share list enumeration process in order to integrate them into the standard operating procedures deliverable after reviewing the document and concurrently determining that more clarity was needed in order to make these steps easily repeatable.	3.0	
Sreeja Reddy	06/21/19	Updated change management documentation to align with Collibra administrative documentation / process flows.	3.7	
Garrett Dupree	06/21/19	(1.5) Compiled the DLP weekly accomplishments for this week / goals for next week in order to distribute to project team; (1.0) Discussion with B. Stangler (PG&E) on the SharePoint Infrastructure and Operations team to request a full enumerated list of all the root sites and sub-sites within the 'sps' web application; (1.5) Research the SharePoint site enumeration process for Symantec version 15.5 since plans are in place to upgrade to this version in the test environment within the month.	4.0	
Garrett Dupree	06/24/19	Meeting with T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), S. Reddy (KPMG) and G. Dupree (KPMG) to discuss tasks-in-motion related to the Data Inventory, DLP, and De-Identification workstreams.	0.5	
Josh Conkel	06/24/19	Meeting with T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), S. Reddy (KPMG) and G. Dupree (KPMG) to discuss tasks-in-motion related to the Data Inventory, DLP, and De-Identification workstreams.	0.5	
Sreeja Reddy	06/24/19	Meeting with T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), S. Reddy (KPMG) and G. Dupree (KPMG) to discuss tasks-in-motion related to the Data Inventory, DLP, and De-Identification workstreams.	0.5	

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Name	Date	Description	Hours	Amount
Toby Sedgwick	06/24/19	Meeting with T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), S. Reddy (KPMG) and G. Dupree (KPMG) to discuss tasks-in-motion related to the Data Inventory, DLP, and De-Identification workstreams.	0.5	
Toby Sedgwick	06/24/19	Perform Manager review of success criteria included within de-identification scope and charter with regards to incorporation of feedback from T. Howe (PG&E).	0.9	
Garrett Dupree	06/24/19	Meeting with G. Vadathu (PG&E), T. Howe (PG&E), S. Yem (PG&E), K. Muppa (PG&E), D. Gaurav (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), S. Reddy (KPMG) and G. Dupree (KPMG) to discuss the revised server architecture for the solution blueprint deliverable.	1.3	
Josh Conkel	06/24/19	Meeting with G. Vadathu (PG&E), T. Howe (PG&E), S. Yem (PG&E), K. Muppa (PG&E), D. Gaurav (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), S. Reddy (KPMG) and G. Dupree (KPMG) to discuss the revised server architecture for the solution blueprint deliverable.	1.3	
Sreeja Reddy	06/24/19	Meeting with G. Vadathu (PG&E), T. Howe (PG&E), S. Yem (PG&E), K. Muppa (PG&E), D. Gaurav (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), S. Reddy (KPMG) and G. Dupree (KPMG) to discuss the revised server architecture for the solution blueprint deliverable.	1.3	
Toby Sedgwick	06/24/19	Meeting with G. Vadathu (PG&E), T. Howe (PG&E), S. Yem (PG&E), K. Muppa (PG&E), D. Gaurav (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), S. Reddy (KPMG) and G. Dupree (KPMG) to discuss the revised server architecture for the solution blueprint deliverable.	1.3	
Josh Conkel	06/24/19	Verified that the HR data feed used to populate exact data match indexes in the data loss prevention system was still not working by generating another export of the data feed (1.1) and attempting to decrypt the file (.3); draft e-mail to K. Potharajula (PG&E) and S. Sakhar (PG&E) to verify a fix for the file has been identified and resolve the issue (0.4).	1.8	
Sreeja Reddy	06/24/19	2.1 Updated DLP scope & charter documentation (updated success criteria and program requirements); .9 Updated Change Management documentation with regards to review of stakeholder impact documentation	3.0	
Garrett Dupree	06/24/19	Update the standard operating procedures deliverable to include instructions for using the provided batch file to test the connectivity to and validity of file share locations received from the Network Attached Storage team.	3.0	

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Sreeja Reddy	06/24/19	Reviewed stakeholder impact documentation with regards to updates the Change Management documentation	3.2	
Garrett Dupree	06/24/19	Update the standard operating procedures deliverable to include guidelines for using the provided excel macro to create enumerated lists of file share paths for importing into Symantec DLP.	3.8	
Toby Sedgwick	06/25/19	Meeting with G. Vadathu (PG&E) to discuss latest revisions to the De-identification scope.	1.0	
Garrett Dupree	06/25/19	Update the standard operating procedures deliverable to document the process for gathering the site collection metrics for the identified SharePoint web applications.	2.6	
Josh Conkel	06/25/19	Developed storyboard of the Data Loss Prevention gap analysis to be utilized to delegate slide development to team members for completion of the gap analysis	2.8	
Sreeja Reddy	06/25/19	Update change management documentation per additional feedback from PG&E and T. Sedgwick (KPMG) received as of 6/25/19.	3.4	
Garrett Dupree	06/25/19	Updated the standard operating procedures deliverable to document the process for creating the spreadsheet needed to calculate the storage for the identified network attached storage repository types from the information received from the Network Attached Storage team.	3.4	
Josh Conkel	06/25/19	Created slides describing key capabilities required for Cloud Data Security (a specific project deliverable).	3.6	
Garrett Dupree	06/25/19	(1.0) Review of Change Engagement Plan deliverable additions from M. Thareja (KPMG) that include the Data Security Program Office communication activities; (3.0) Updated the standard operating procedures deliverable to document the processes (in the final formatted document) for obtaining the required documents and metrics for both file shares and SharePoint web applications.	4.0	
Sreeja Reddy	06/25/19	(1.6) Updated DLP scope & charter to highlight 2019 / 2020 in scope criteria; (3.0) Finalize functional requirements documentation for data inventory workstream	4.6	
Garrett Dupree	06/26/19	Meeting with T. Howe (PG&E), N. Ranganathan (PG&E), K. Muppa (PG&E), D. Gaurav (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), and G. Dupree (KPMG) to review scanning progress and discuss weekly action items related to the DLP and De-Identification workstreams as of 6/26/19.	1.5	

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Data Security Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Amount
Josh Conkel	06/26/19	Meeting with T. Howe (PG&E), N. Ranganathan (PG&E), K. Muppa (PG&E), D. Gaurav (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), and G. Dupree (KPMG) to review scanning progress and discuss weekly action items related to the DLP and De-Identification workstreams as of 6/26/19.	1.5	
Toby Sedgwick	06/26/19	Meeting with T. Howe (PG&E), N. Ranganathan (PG&E), K. Muppa (PG&E), D. Gaurav (PG&E), T. Sedgwick (KPMG), J. Conkel (KPMG), M. Thareja (KPMG), and G. Dupree (KPMG) to review scanning progress and discuss weekly action items related to the DLP and De-Identification workstreams as of 6/26/19.	1.5	
Michael Gomez	06/26/19	Principal review of 2 deliverables (Scope & charters) and concurrently draft feedback to provide to T. Sedgwick (KPMG) regarding: DLP (1.0) and Data Inventory (0.5)	1.5	
Sreeja Reddy	06/26/19	Reviewed use cases to create process flow for the change management documentation which required formulating a top-down approach for noting any updates with Collibra implementation efforts.	1.5	
Garrett Dupree	06/26/19	Reviewed and concurrently updated the standard operating procedures deliverable to include structured, labeled sections enabling deliverable to be more easily navigated / followed.	2.0	
Josh Conkel	06/26/19	Created three additional slides describing Cloud Access Security Broker (CASB) deployment models and how the existing data loss prevention system can be augmented to reduce gaps in Cloud data security coverage.	2.7	
Garrett Dupree	06/26/19	Update the standard operating procedures deliverable with more screenshots describing the file share site enumeration process to make it easier to follow.	3.1	
Sreeja Reddy	06/26/19	Continued (same day) to identify baseline security areas that will need to be profiled in the security control assessment	3.2	
Sreeja Reddy	06/26/19	1.4 Reviewed current repository list to assess current security controls in place .7 Researched and concurrently compiled assessment templates for security controls that align with PGE's infrastructure 1.2 Cross-referenced current controls used for structured repositories against additional controls needed for unstructured repositories	3.3	
Garrett Dupree	06/26/19	Test the steps outlined in the standard operating procedures for calculating the storage metrics of file shares to make sure the information provided is adequate to produce the same results.	3.3	

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Data Security Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Amount
Josh Conkel	06/26/19	Prepared (3.1) and sent by email (.8) documentation to K. Muppa (PG&E) at his request to document the process of generating and exact data match index using the remote indexing service (this remote indexing service is used to generate very large exact data match indexes in the data loss prevention system).	3.9	
Toby Sedgwick	06/27/19	Meeting with G. Vadathu (PG&E), T. Howe (PG&E), and S. Yem (PG&E) to discuss project risks and issues to be addressed as of 6/27/19.	0.5	
Michael Gomez	06/27/19	Discussion with the new PG&E Director sponsor (J. Heffelfinger) regarding the PG&E organizational changes taking place that will impact the Data Security project, engagement deliverables that are outstanding for PG&E review and new approach to review and get deliverables approved.	1.5	
Josh Conkel	06/27/19	Modify policies which were to be used for the exact data match index generated from the data feed (.8); modified a sample database to use the policy in question (.9) and triggered a scan of the database for the data in question (.6); Sent e-mail to K. Potharajula (PG&E), S. Sakhar (PG&E), G. Vadathu (PG&E), and T. Sedgwick (KPMG) to confirm that the HR data feed from SAP was successful, and an EDM index had been generated (0.4)	2.7	
Sreeja Reddy	06/27/19	Senior Associate review of additional deliverables in preparation for client approval (functional / non-functional requirements)	3.5	
Josh Conkel	06/27/19	Verified that the HR data feed used to populate exact data match indexes in the data loss prevention system had been generated properly by generating another export of the data feed (1.2) and attempt to decrypt the file (.3); Once the file was decrypted successfully, generated EDM Index in the data loss prevention system (2.1).	3.6	
Garrett Dupree	06/27/19	(1.5) Communication with the Technology Service Center to troubleshoot issues connecting to PG&E Cybersecurity policy documents needed to complete the revisions and recommendations to PG&E policies deliverable. (2.5) Started the test plan for testing DLP policies for unstructured and cloud repositories to include the environments the Symantec DLP tool should test connectivity to.	4.0	
Sreeja Reddy	06/27/19	(0.5) Communication via email with various PG&E professionals regarding upcoming daily workshop sessions for deliverable sign off; (2.3) Updated milestones for DLP project plan which required cross-referencing the milestone timeline against expected delivery dates; (1.7) Finalized use case documentation (security remediation use case) for client approval	4.5	
Toby Sedgwick	06/28/19	Meeting with G. Vadathu (PG&E) and S. Reddy (KPMG) to discuss and update the Data Inventory Change Management documentation.	0.5	

EXHIBIT C2

PG&E Corporation and PG&E Company, et.al.

Case No. 19-30088

Data Security Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Amount
Sreeja Reddy	06/28/19	Meeting with G. Vadathu (PG&E) and T. Sedgwick (KPMG) to discuss and update the Data Inventory Change Management documentation.	0.5	
Michael Gomez	06/28/19	Meeting with new PG&E Sr. Director of Security (M. Strasburg) to provide an overview of the Data Security Engagement	0.5	
Toby Sedgwick	06/28/19	Performed Manager review of weekly status of project in preparation to send to G. Vadathu (PG&E).	0.5	
Toby Sedgwick	06/28/19	Meeting with J. Conkel (KPMG) and G. Dupree (KPMG) to discuss the test plan for testing DLP policies against unstructured on-premises and cloud data.	0.7	
Josh Conkel	06/28/19	Meeting with T. Sedgwick (KPMG) and G. Dupree (KPMG) to discuss the test plan for testing DLP policies against unstructured on-premises and cloud data.	0.7	
Garrett Dupree	06/28/19	Meeting with T. Sedgwick (KPMG) and J. Conkel (KPMG) to discuss the test plan for testing DLP policies against unstructured on-premises and cloud data.	0.7	
Garrett Dupree	06/28/19	Meeting with J. Conkel (KPMG) and G. Dupree (KPMG) to discuss DLP project progress as of 6/28/19 and remaining action items required to accomplish the completion of the gap analysis and revisions to PG&E policies / procedures for securing data in both the cloud and on-premises environments.	0.8	
Josh Conkel	06/28/19	Meeting with J. Conkel (KPMG) and G. Dupree (KPMG) to discuss DLP project progress as of 6/28/19 and remaining action items required to accomplish the completion of the gap analysis and revisions to PG&E policies / procedures for securing data in both the cloud and on-premises environments.	0.8	
Sreeja Reddy	06/28/19	.5 Emailed updated change management documentation to PG&E; .4 Drafted data inventory weekly status update as of 6/28/19 to provide to T. Sedgwick (KPMG); .5 Communication regarding meeting with the Data Governance team to finalize the Collibra platform implementation.	1.4	
Josh Conkel	06/28/19	Created slides describing current state capabilities and inherent risks regarding Cloud Data Security (this slide deck is a project deliverable)	2.1	
Sreeja Reddy	06/28/19	1.0 Finalized the Data Inventory Functional Requirements documentation for Collibra implementation; 1.4 Finalized the Data Inventory Use Case documentation in preparation for PGE review	2.4	
Garrett Dupree	06/28/19	(2.0) Examine additional Cybersecurity security requirements and prepare documentation surrounding potential alterations to these policies apart of the policy revision deliverable. (0.5) Compile DLP weekly accomplishments and goals for next week to disperse to the project team.	2.5	

EXHIBIT C2

PG&E Corporation and PG&E Company, et.al.

Case No. 19-30088

Data Security Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Amount
Garrett Dupree	06/28/19	Uploaded copies of the all PG&E Cybersecurity policies (nearly 100 pages) to the virtual desktop environment for use with the revisions to existing PG&E policies deliverable.	2.7	
Garrett Dupree	06/28/19	Examine the PG&E policies redlined from last year and concurrently note potential changes for the policy revision deliverable.	3.0	
Sreeja Reddy	06/28/19	1.0 Updated change management documentation based on updated feedback (from client and T. Sedgwick); 2.2 Reviewed and concurrently updated the latest version of the Data Inventory Change Management Plan documentation.	3.2	
Josh Conkel	06/30/19	(1.8) Updated the data loss protection gap analysis deck to reflect additional desired material for display to new stakeholders for the project. (0.3) Distributed the gap analysis working draft to G. Dupree (KPMG) and S Somers (KPMG) for additional work with guidance by e-mail..	2.1	
Total Data Security Services			548.2	\$ 28,164.00 ⁽¹⁾

⁽¹⁾ KPMG and the Debtors agreed to fixed-fee compensation for the Data Security Services. Payment of the fixed fee is dependent on an iterative process by which stages of the project go through a formal review, including a detailed walkthrough, modifications (if required) and formal acceptance. As of June 30, 2019, KPMG is requesting the fixed-fee amount above for these services, as approved by the client.

EXHIBIT C3

PG&E Corporation and PG&E Company, et.al.

Case No. 19-30088

Legal Support Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Rate	Amount
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no hourly fees incurred - current month

Subtotal Legal Support Services (Hourly)

0.0

\$ -

Recurring Monthly Fees

Fee # 1: Hosting

Period	Number of Gigabytes	Discounted Amount
June 1 - 30, 2019	16,574.61	\$ 49,723.83
Subtotal Hosting Services		\$ 49,723.83

Fee # 2: User Fees

Period	Number of Users	Amount
June 1 - 30, 2019	3 ⁽¹⁾	\$ 285.00
Subtotal User Services		\$ 285.00

Total Legal Support Services

\$ 50,008.83

⁽¹⁾ As per Appendix C of the Legal Support Services Agreement, KPMG did not charge the client for the initial 10 of 13 total users.

EXHIBIT C4

PG&E Corporation and PG&E Company, et.al.

Case No. 19-30088

IT Software Services (Phase 1)

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Rate	Amount
<i>Project Complete</i>					
Total IT Software Services (Phase 1)			<u>0.0</u>		<u>\$ -</u>

EXHIBIT C5

PG&E Corporation and PG&E Company, et.al.

Case No. 19-30088

Enterprise Project Management Tools Implementation Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Rate	Amount
<i>Project Complete</i>					
Total Enterprise Project Management Tools Implementation Services			0.0		\$ -

EXHIBIT C6

PG&E Corporation and PG&E Company, et.al.

Case No. 19-30088

Risk Assessment Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Rate	Amount
<i>Project Complete</i>					
Total Risk Assessment Services			<u>0.0</u>		<u>\$ -</u>

EXHIBIT C7

PG&E Corporation and PG&E Company, et.al.

Case No. 19-30088

Retention Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Rate	Amount
Monica Plangman	06/02/19	Transmit retention files to G. Armstrong (KPMG) per his request	0.1	\$ 212.50	\$ 21.25
Celeste Campbell	06/03/19	Communicate via email with M. Plangman regarding retention developments over the weekend, impact on deadlines. (.2)	0.2	\$ 162.50	\$ 32.50
Monica Plangman	06/03/19	Call with L. Carens (WG) and S. Carlin (KPMG) regarding open items to address prior to retention hearing on 6/11/19	0.3	\$ 212.50	\$ 63.75
Monica Plangman	06/03/19	Prepare for (0.1) and attend call with G. Armstrong and S. Carlin regarding retention documents (0.4) and addressing open items prior to hearing on 6/11.	0.4	\$ 212.50	\$ 85.00
Monica Plangman	06/03/19	Advise J. Garza and C. Campbell (KPMG) regarding retention and open items to be addressed prior to 6/11 hearing and any affect on billings and timing of same.	0.2	\$ 212.50	\$ 42.50
Celeste Campbell	06/04/19	Read email communications in retention folder to obtain insight as to developments with respect to potential objections to KPMG's retention application (.3)	0.3	\$ 162.50	\$ 48.75
Monica Plangman	06/04/19	Perform research to address objection to KPMG's retention 0.5.	0.5	\$ 212.50	\$ 106.25
Monica Plangman	06/05/19	Review objection filed regarding KPMG's retention and concurrently pull data and research 0.8; reach out to L. Carens regarding KPMG's status of response to objection to keep WG&M updated 0.1;	1.2	\$ 212.50	\$ 255.00
Celeste Campbell	06/12/19	Respond to G. Armstrong regarding status of retention order based on docket review (.1)	0.1	\$ 162.50	\$ 16.25
Celeste Campbell	06/17/19	Draft email with executed CWA, MSA extension to send to L. Carens (WG) for inclusion with supplemental retention documents (.2)	0.2	\$ 162.50	\$ 32.50
Celeste Campbell	06/19/19	Email L. Carens (WFG) regarding supplemental retention protocol/ next steps. (.1)	0.1	\$ 162.50	\$ 16.25
Celeste Campbell	06/26/19	.2 Respond to R. Foust (WG) with executed CWA's to date.	0.2	\$ 162.50	\$ 32.50
Celeste Campbell	06/26/19	. 1 Email L. Carens (WG) regarding update on supplemental retention protocols.; . 1 Email M. Gomez regarding status of amended 2019 DS CWA for inclusion in supplemental retention application	0.2	\$ 162.50	\$ 32.50
Total Retention Services			4.0		\$ 785.00

EXHIBIT C8

PG&E Corporation and PG&E Company, et.al.

Case No. 19-30088

Fee Application Preparation Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Rate	Amount
Juanita Garza	06/01/19	Preparation of Asset Management Services - Task 3 assigned portion of exhibit for inclusion in second monthly fee statement. (1.2) Continue, as of 06/01/19, to prepare Asset Management Services - Task 2 assigned portion of exhibit for inclusion in second monthly fee statement. (2.4)	3.6	\$ 137.50	\$ 495.00
Celeste Campbell	06/02/19	Continue, as of 6/2, to prepare designated portion of Exhibit C2 of 2nd fee statement	1.7	\$ 162.50	\$ 276.25
Juanita Garza	06/03/19	Continue, as of 06/03/19, to prepare Asset Management Services - Task 3 assigned portion of exhibit for inclusion in second monthly fee statement. (3.6) Continue, as of 06/03/19, to prepare Asset Management Services - Task 2 assigned portion of Exhibit D1 for inclusion in second monthly fee statement. (0.3) Continue, as of 06/03/19, to prepare Asset Management Services - Task 1 assigned portion of Exhibit D1 for inclusion in second monthly fee statement. (0.2)	4.1	\$ 137.50	\$ 563.75
Wendy Shaffer	06/03/19	Updated exhibit C2 of PG&E 3rd monthly fee application to include data received from professionals as of 5/28/19.	2.9	\$ 150.00	\$ 435.00
Juanita Garza	06/03/19	Continue, as of 06/03/19, to prepare Data Security assigned portion of Exhibit D1 for inclusion in second monthly fee statement.	0.9	\$ 137.50	\$ 123.75
Monica Plangman	06/03/19	Begin preparing narrative for first monthly fee application.	0.8	\$ 212.50	\$ 170.00
Monica Plangman	06/03/19	Associate director review of exhibit C2 and concurrently provide comments as required for approval to file 0.7	0.7	\$ 212.50	\$ 148.75
Celeste Campbell	06/03/19	Respond to G. Armstrong (KPMG) regarding Fee Examiner appointment, status (.3)	0.3	\$ 162.50	\$ 48.75
Juanita Garza	06/04/19	Prepare Asset Management Services assigned portion of exhibit for inclusion in third monthly fee statement. (1.4) Prepare Asset Management Services - Task 3 assigned portion of exhibit for inclusion in third monthly fee statement. (1.8) Prepare Asset Management Services - Task 4 assigned portion of exhibit for inclusion in third monthly fee statement. (0.6) Prepare Asset Management Services - Task 2 assigned portion of exhibit for inclusion in third monthly fee statement. (0.3)	4.1	\$ 137.50	\$ 563.75

EXHIBIT C8

PG&E Corporation and PG&E Company, et.al.
Case No. 19-30088
 Fee Application Preparation Services
 June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Rate	Amount
Juanita Garza	06/04/19	Continue, as of 06/04/19, to prepare Asset Management Services - Task 2 assigned portion of Exhibit D1 for inclusion in second monthly fee statement. (0.6) Continue, as of 06/04/19, to prepare Asset Management Services - Task 1 assigned portion of Exhibit D1 for inclusion in second monthly fee statement. (0.4) Continue, as of 06/04/19, to prepare Asset Management Services assigned portion of exhibit for inclusion in second monthly fee statement. (0.3) Continue, as of 06/04/19, to prepare Asset Management Services - Task 1 assigned portion of exhibit for inclusion in second monthly fee statement. (0.3) Continue, as of 06/04/19, to prepare Asset Management Services - Task 2 assigned portion of exhibit for inclusion in second monthly fee statement.(0.3) Continue, as of 06/04/19, to prepare Asset Management Services - Task 3 assigned portion of exhibit for inclusion in second monthly fee statement.(0.3) Continue, as of 06/04/19, to prepare Asset Management Services - Task 4 assigned portion of exhibit for inclusion in second monthly fee statement.(0.3)	2.6	\$ 137.50	\$ 357.50
Juanita Garza	06/04/19	Continue, as of 06/03/19, to prepare Exhibit D1 for inclusion in second monthly fee statement. (TS)	1.1	\$ 137.50	\$ 151.25
Wendy Shaffer	06/04/19	Updated exhibit C2 of PG&E 3rd monthly fee application to include data received from professionals as of 6/4/19	1.1	\$ 150.00	\$ 165.00
Monica Plangman	06/04/19	Continue, as of 6/4, preparing narrative for KPMG's first monthly fee application 0.6;	0.6	\$ 212.50	\$ 127.50
Wendy Shaffer	06/04/19	0.5 Update assigned portion of exhibit C1 of PG&E 3rd monthly fee application to include data received from professionals as of 6/4/19.	0.5	\$ 150.00	\$ 75.00
Celeste Campbell	06/04/19	Address M. Plangman (KPMG) associate director comments related to Exhibit C1 of 1st fee statement as required in advance of filing (.3)	0.3	\$ 162.50	\$ 48.75
Celeste Campbell	06/04/19	Address M. Plangman (KPMG) associate director comments related to Exhibit C3 of 1st fee statement as required in advance of filing (.2)	0.2	\$ 162.50	\$ 32.50
Wendy Shaffer	06/05/19	3.1 Updated exhibit C1 of PG&E 3rd monthly fee application to include data received from professionals as of 6/6/19.	3.1	\$ 150.00	\$ 465.00
Celeste Campbell	06/05/19	Finalize Exhibit C1 of 1st fee statement prior to review/approval process (.6). Draft email with detailed review instructions to send to A. Mani, K. McNamara (KPMG) to initiate review/approval process for first fee statement. (.2) Update 1st fee statement Exhibit D1 to implement hotel caps (.3)	1.1	\$ 162.50	\$ 178.75
Kyle McNamara	06/05/19	Director review of Exhibit C1 provided by C. Campbell (KPMG) in preparation for first filing.	1.1	\$ 435.00	\$ 478.50
Wendy Shaffer	06/05/19	Updated exhibit C2 of PG&E 3rd monthly fee application to include data received from professionals as of 6/5/19.	0.8	\$ 150.00	\$ 120.00

EXHIBIT C8

PG&E Corporation and PG&E Company, et.al.
Case No. 19-30088
 Fee Application Preparation Services
 June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Rate	Amount
Celeste Campbell	06/05/19	Finalize Exhibit C2 of 1st fee statement in preparation for review/approval to file process (.4). Draft email with detailed review instructions to send to J. Conkel, T. Sedgwick (KPMG) to initiate review/approval process of Exhibit C2 for first fee statement. (.2)	0.6	\$ 162.50	\$ 97.50
Celeste Campbell	06/05/19	Finalize exhibit C3 in advance of partner review (.3). Draft email with detailed review instructions to send to K. Markgraf, D. Smith (KPMG) to initiate review/approval process of Exhibit C3 for first fee statement. (.2)	0.5	\$ 162.50	\$ 81.25
Celeste Campbell	06/05/19	Finalize Exhibit C5 of 1st fee statement (.3). Draft email with detailed review instructions to send to C. Yu (KPMG) to initiate review/approval process of Exhibit C5 for first fee statement. (.2) Address M. Plangman (KPMG) comments related to Exhibit C8 of 1st fee statement (.3)	0.5	\$ 162.50	\$ 81.25
Monica Plangman	06/05/19	Continue, as of 6/5, associate director review of C2 fee application exhibit and concurrently provide comments 0.5.	0.5	\$ 212.50	\$ 106.25
Celeste Campbell	06/06/19	Continue, as of 6/6, to prepare designated portion of Exhibit C1 for 2nd fee statement	6.7	\$ 162.50	\$ 1,088.75
Juanita Garza	06/06/19	Continue, as of 06/06/19, to prepare Asset Management Services assigned portion of exhibit for inclusion in second monthly fee statement. (0.2) Continue, as of 06/06/19, to prepare Asset Management - Task 3 Services assigned portion of exhibit for inclusion in second monthly fee statement. (0.4) Continue, as of 06/06/19, to prepare Asset Management - Task 4 Services assigned portion of exhibit for inclusion in second monthly fee statement. (0.1) Continue, as of 06/06/19, to prepare Asset Management - Task 2 Services assigned portion of exhibit for inclusion in second monthly fee statement. (0.2)	0.8	\$ 137.50	\$ 110.00
Juanita Garza	06/06/19	Continue, to prepare AMS - Task 4 assigned portion of exhibit for inclusion in second monthly fee statement.	0.3	\$ 137.50	\$ 41.25
Juanita Garza	06/07/19	Continue, as of 06/07/19, to prepare Asset Management Services assigned portion of exhibit for inclusion in second monthly fee statement. (0.6) Continue, as of 06/07/19, to prepare Asset Management - Task 3 Services assigned portion of exhibit for inclusion in second monthly fee statement. (2.3) Continue, as of 06/07/19, to prepare Asset Management - Task 4 Services assigned portion of exhibit for inclusion in second monthly fee statement. (0.3) Continue, as of 06/07/19, to prepare Asset Management - Task 2 Services assigned portion of exhibit for inclusion in second monthly fee statement. (1.0)	4.3	\$ 137.50	\$ 591.25
Celeste Campbell	06/07/19	Continue, as of 6/7, to prepare designated portion of Exhibit C1 for 2nd fee statement (3.3)	3.1	\$ 162.50	\$ 503.75

EXHIBIT C8**PG&E Corporation and PG&E Company, et.al.****Case No. 19-30088**

Fee Application Preparation Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Rate	Amount
Celeste Campbell	06/07/19	Continue, from earlier on 6/7, to prepare designated portion of Exhibit C1 for 2nd fee statement (2.1), send to M. Plangman (KPMG) for associate director review as required in advance of filing (.1)	2.2	\$ 162.50	\$ 357.50
Celeste Campbell	06/07/19	Finalize Exhibit C6 of 1st fee statement and send with review instructions to A. Cools (KPMG) for review in advance of partner (.3)	0.3	\$ 162.50	\$ 48.75
Juanita Garza	06/09/19	Continue, as of 06/09/19, to prepare Assessment Management Services exhibit for inclusion in third monthly fee statement.	0.3	\$ 137.50	\$ 41.25
Celeste Campbell	06/09/19	Respond via email to K. McNamara (KPMG) regarding status of the 1st fee statement, also requesting approval to provide to G. Armstrong (KPMG) for partner review in advance of filing.	0.2	\$ 162.50	\$ 32.50
Celeste Campbell	06/10/19	Continue, from earlier on 6/10, to populate narrative for 1st monthly fee statement with final numbers (inclusive of creating charts). (2.5)	2.5	\$ 162.50	\$ 406.25
Celeste Campbell	06/10/19	Finalize Exhibit C5 of 1st fee statement for R. Tucker (KPMG) partner review/approval to file (.2) , draft explanatory email and send to R. Tucker for review /approval (.2). Begin to populate narrative for 1st monthly fee statement with final numbers (inclusive of creating charts). (.5)	0.9	\$ 162.50	\$ 146.25
Celeste Campbell	06/10/19	Update 2nd & 3rd fee statement workbooks to reflect title and Exhibit naming changes based on finalized 1st fee statement.	0.9	\$ 162.50	\$ 146.25
Celeste Campbell	06/10/19	Finalize Exhibit C2, C4, C6, draft explanatory email regarding approval process, timeline, send to M. Gomez (KPMG) for review /approval to file. (.3)	0.3	\$ 162.50	\$ 48.75
Celeste Campbell	06/10/19	Incorporate D. Smith (KPMG) comments into Exhibit C3, send to K. Markgraf (KPMG) requesting approval to release to G. Armstrong. (.1)	0.1	\$ 162.50	\$ 16.25
Juanita Garza	06/11/19	Continue, as of 06/11/19, to prepare assigned portion of Exhibit C8 - Main for inclusion in third monthly fee statement. (.8) Continue, as of 06/12/19, to prepare assigned portion of Exhibit C8 - Task 3 for inclusion in third monthly fee statement. (3.6)	4.4	\$ 137.50	\$ 605.00
Juanita Garza	06/11/19	Continue, as of 06/12/19, to prepare assigned portion of Exhibit C8 - Task 4 for inclusion in third monthly fee statement. (.3) Continue, as of 06/12/19, to prepare assigned portion of Exhibit C8 - Task 2 for inclusion in third monthly fee statement. (3.0)	3.3	\$ 137.50	\$ 453.75
Wendy Shaffer	06/11/19	2.6 Updated exhibit C1 of PG&E 3rd monthly fee application to include data received from professionals as of 6/11/19	2.6	\$ 150.00	\$ 390.00
Celeste Campbell	06/11/19	Perform final walkthrough of 1st fee statement exhibits to finalize in advance of providing to G. Armstrong for review/approval after retention order is filed. (.8)	0.8	\$ 162.50	\$ 130.00

EXHIBIT C8

PG&E Corporation and PG&E Company, et.al.
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Name	Date	Description	Hours	Rate	Amount
Celeste Campbell	06/11/19	Create final deliverable file of 1st fee statement exhibit file for G. Armstrong (KPMG) lead partner review/approval to file (.6)	0.6	\$ 162.50	\$ 97.50
Celeste Campbell	06/11/19	Respond to J. Conkel (KPMG) regarding sensitive descriptions (.1) Complete walkthrough of 1st fee statement exhibits in advance of providing to G. Armstrong (KPMG) for lead partner review/approval to file. (.3) Update narrative for 1st monthly fee statement with final numbers. (.2)	0.6	\$ 162.50	\$ 97.50
Wendy Shaffer	06/11/19	Updated exhibit C2 of PG&E 3rd monthly fee application to include data received from professionals as of 6/11/19.	0.5	\$ 150.00	\$ 75.00
Celeste Campbell	06/11/19	Call with C. Yu (KPMG) to address question regarding 1st fee statement and process (.1)	0.1	\$ 162.50	\$ 16.25
Juanita Garza	06/12/19	Continue, as of 06/12/19, to prepare assigned portion of Exhibit C8 - Main for inclusion in third monthly fee statement. (.8) Continue, as of 06/12/19, to prepare assigned portion of Exhibit C8 - Task 3 for inclusion in third monthly fee statement. (3.5)	3.7	\$ 137.50	\$ 508.75
Juanita Garza	06/12/19	Continue, as of 06/12/19, to prepare assigned portion of Exhibit C8 - Task 4 for inclusion in third monthly fee statement. (.4) Continue, as of 06/12/19, to prepare assigned portion of Exhibit C8 - Task 2 for inclusion in third monthly fee statement. (3.0)	3.4	\$ 137.50	\$ 467.50
Celeste Campbell	06/12/19	Continue, as of 6/12, preparation of designated portion of C1 of 2nd fee statement (2.3)	2.3	\$ 162.50	\$ 373.75
Wendy Shaffer	06/12/19	Updated exhibit C2 of PG&E 3rd monthly fee application to include data received from professionals as of 6/12/19	2.2	\$ 150.00	\$ 330.00
Celeste Campbell	06/12/19	Address M. Plangman (KPMG) comments related to Exhibit C1 of 2nd fee statement as required in advance of filing (.8)	0.8	\$ 162.50	\$ 130.00
Celeste Campbell	06/12/19	Access PG&E docket (multiple times) to determine if KPMG's retention order has been filed so that we can proceed with filing monthly fee statements. (.3)	0.3	\$ 162.50	\$ 48.75
Celeste Campbell	06/12/19	Address M. Plangman (KPMG) comments related to Exhibit C2 of 2nd fee statement as required in advance of filing.	0.2	\$ 162.50	\$ 32.50
Celeste Campbell	06/12/19	Address M. Plangman (KPMG) comments related to Exhibit C7 of 2nd fee statement (.1)	0.1	\$ 162.50	\$ 16.25
Juanita Garza	06/13/19	Continue, as of 06/13/19, to prepare assigned portion of Exhibit C8 - Main for inclusion in third monthly fee statement. (1.3) Continue, as of 06/13/19, to prepare assigned portion of Exhibit C8 - Task 3 for inclusion in third monthly fee statement. (3.9) Continue, as of 06/13/19, to prepare assigned portion of Exhibit C8 - Task 4 for inclusion in third monthly fee statement.	5.2	\$ 137.50	\$ 715.00
Juanita Garza	06/13/19	(.6) Continue, as of 06/13/19, to prepare assigned portion of Exhibit C8 - Task 2 for inclusion in third monthly fee statement. (3.8)	4.4	\$ 137.50	\$ 605.00

EXHIBIT C8

PG&E Corporation and PG&E Company, et.al.

Case No. 19-30088

Fee Application Preparation Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Rate	Amount
Wendy Shaffer	06/13/19	1.2 Updated exhibit C1 of PG&E 3rd monthly fee application to include data received from professionals as of 6/13/19; 0.3 finalized same and send copy to C. Campbell (KPMG) for incorporation into master monthly fee statement file.	1.5	\$ 150.00	\$ 225.00
Celeste Campbell	06/13/19	Create combined final deliverable of 1st fee statement in preparation for submission for filing.	1.1	\$ 162.50	\$ 178.75
Celeste Campbell	06/13/19	Continue preparing designated portion of Exhibit C1 for 2nd fee statement (.9)	0.9	\$ 162.50	\$ 146.25
Celeste Campbell	06/13/19	Finalize Exhibit C2 of 2nd fee statement, send to T. Sedgwick, J. Conkel (KPMG) for review in advance of partner review / approval to file	0.3	\$ 162.50	\$ 48.75
Celeste Campbell	06/13/19	Finalize Exhibit C4 of 2nd fee statement, send to R. Villegas (KPMG) for review in advance of partner review in advance of filing.	0.3	\$ 162.50	\$ 48.75
Celeste Campbell	06/13/19	Access docket, download filed retention order (.1) read retention order (.2)	0.3	\$ 162.50	\$ 48.75
Wendy Shaffer	06/13/19	(0.2) Complete preparation of exhibit C2 of PG&E 3rd monthly fee application to include data received from professionals and (0.1) send copy of same for incorporation into monthly fee statement.	0.3	\$ 150.00	\$ 45.00
Celeste Campbell	06/13/19	Update 1st monthly narrative with information from docket and finalize for filing (.2)	0.2	\$ 162.50	\$ 32.50
Celeste Campbell	06/13/19	Draft email with 1st fee statement to L Carens (Weil) requesting filing and service. (.1)	0.1	\$ 162.50	\$ 16.25
Celeste Campbell	06/13/19	Follow-up with L. Carens (Weil) regarding filing and service of 1st fee statement (.1)	0.1	\$ 162.50	\$ 16.25
Celeste Campbell	06/13/19	Email filed retention order to G. Armstrong, M. Plangman, S. Carlin (KPMG). (.1)	0.1	\$ 162.50	\$ 16.25
Juanita Garza	06/14/19	Continue, as of 06/14/19, to prepare assigned portion of Exhibit C8 - Main for inclusion in third monthly fee statement. (.4) Continue, as of 06/14/19, to prepare assigned portion of Exhibit C8 - Task 3 for inclusion in third monthly fee statement. (1.2) Continue, as of 06/14/19, to prepare assigned portion of Exhibit C8 - Task 4 for inclusion in third monthly fee statement. (.1) Continue, as of 06/14/19, to prepare assigned portion of Exhibit C8 - Task 2 for inclusion in third monthly fee statement. (1.2)	2.9	\$ 137.50	\$ 398.75
Celeste Campbell	06/14/19	Prepare short form monthly narrative as requested by Weil Gotshal to include with first monthly fee statement	1.5	\$ 162.50	\$ 243.75
Celeste Campbell	06/14/19	Prepare designated portion of exhibit D1 of 2nd fee statement. (1.5)	1.5	\$ 162.50	\$ 243.75
Kyle McNamara	06/14/19	Director review of Exhibit D1 of 2nd fee statement in advance of partner review to clear for filing.	0.5	\$ 435.00	\$ 217.50
Celeste Campbell	06/14/19	Create subsetted exhibits exclusive of retention order for filing as per counsel request (.2); Email revised narrative and exhibits to Weil Gotshal for filing (.1)	0.3	\$ 162.50	\$ 48.75

EXHIBIT C8

PG&E Corporation and PG&E Company, et.al.
Case No. 19-30088
 Fee Application Preparation Services
 June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Rate	Amount
Celeste Campbell	06/14/19	Update signature page, pdf and send to G. Armstrong (KPMG) with request for "wet" signature for inclusion with fee statement as per Weil Gotshal request (.2)	0.2	\$ 162.50	\$ 32.50
Celeste Campbell	06/14/19	Continue, as of 6/14, preparation of designated portion of Exhibit C1 of 2nd fee statement	0.2	\$ 162.50	\$ 32.50
Celeste Campbell	06/14/19	Follow-up with R. Foust at Weil Gotshal regarding status of 1st fee statement (filing) (.1)	0.1	\$ 162.50	\$ 16.25
Juanita Garza	06/15/19	Continue, as of 06/15/19, to prepare AMS - Main assigned portion of Exhibit D1 for inclusion in third monthly fee statement. (.3) Continue, as of 06/15/19, to prepare AMS - Task 3 assigned portion of Exhibit D1 for inclusion in third monthly fee statement. (.5) Continue, as of 06/15/19, to prepare AMS - Task 1 assigned portion of Exhibit D1 for inclusion in third monthly fee statement. (1.3) Continue, as of 06/15/19, to prepare AMS - Task 2 assigned portion of Exhibit D1 for inclusion in third monthly fee statement. (1.3)	3.4	\$ 137.50	\$ 467.50
Juanita Garza	06/15/19	Continue, as of 06/15/19, to prepare assigned portion of Exhibit D1 for inclusion in second monthly fee statement.	0.1	\$ 137.50	\$ 13.75
Juanita Garza	06/16/19	Continue, as of 06/16/19, to prepare AMS - Main assigned portion of Exhibit D1 for inclusion in third monthly fee statement. (.2) Continue, as of 06/16/19, to prepare AMS - Task 3 assigned portion of Exhibit D1 for inclusion in third monthly fee statement. (.3) Continue, as of 06/15/19, to prepare AMS - Task 1 assigned portion of Exhibit D1 for inclusion in third monthly fee statement. (.9) Continue, as of 06/15/19, to prepare AMS - Task 2 assigned portion of Exhibit D1 for inclusion in third monthly fee statement. (1.3)	2.8	\$ 137.50	\$ 385.00
Celeste Campbell	06/16/19	Update Exhibit C1 of 2nd fee statement, as of 6/16, with additional detail received from professionals.	2.0	\$ 162.50	\$ 325.00
Juanita Garza	06/16/19	Continue, as of 06/16/19, to prepare specific assigned portion of Exhibit D1 for inclusion in second monthly fee statement.	0.1	\$ 137.50	\$ 13.75
Juanita Garza	06/17/19	Continue, as of 06/17/19, to prepare assigned portion of Exhibit C8 - Main for inclusion in third monthly fee statement. (.7) Continue, as of 06/17/19, to prepare assigned portion of Exhibit C8 - Task 3 for inclusion in third monthly fee statement. (3.2)	3.9	\$ 137.50	\$ 536.25
Juanita Garza	06/17/19	Continue, as of 06/17/19, to prepare assigned portion of Exhibit C8 - Task 4 for inclusion in third monthly fee statement. (.1) Continue, as of 06/17/19, to prepare assigned portion of Exhibit C8 - Task 2 for inclusion in third monthly fee statement. (3.2)	3.3	\$ 137.50	\$ 453.75
Celeste Campbell	06/17/19	Begin preparing designated portion of Exhibit C1 of 3rd fee statement. (3.0)	3.0	\$ 162.50	\$ 487.50

EXHIBIT C8

PG&E Corporation and PG&E Company, et.al.

Case No. 19-30088

Fee Application Preparation Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Rate	Amount
Celeste Campbell	06/17/19	Continue, from 6/16, preparation of Exhibit C1 of 2nd fee statement (final review) in advance of providing to AMS team leadership for review as required for approval to file (2.8)	2.8	\$ 162.50	\$ 455.00
Wendy Shaffer	06/17/19	2.3 Updated assigned portion of exhibit C1 of PG&E 3rd monthly fee application to include data received from professionals as of 6/17/19.,	2.3	\$ 150.00	\$ 345.00
Celeste Campbell	06/17/19	Draft email to KPMG engagement management for PG&E account with filed fee statement, timeline email, specifics (.2)	0.2	\$ 162.50	\$ 32.50
Juanita Garza	06/18/19	Continue, as of 06/18/19, to prepare assigned portion of Exhibit C8 - Main for inclusion in third monthly fee statement. (.6) Continue, as of 06/18/19, to prepare assigned portion of Exhibit C8 - Task 3 for inclusion in third monthly fee statement. (3.1) Continue, as of 06/18/19, to prepare assigned portion of Exhibit C8 - Task 4 for inclusion in third monthly fee statement. (.2) Continue, as of 06/18/19, to prepare assigned portion of Exhibit C8 - Task 2 for inclusion in third monthly fee statement. (2.8)	6.7	\$ 137.50	\$ 921.25
Wendy Shaffer	06/18/19	3.9 Updated assigned portion of exhibit C1 of PG&E 3rd monthly fee application to include data received from professionals as of 6/18/19; 2.0 Continued (same day) to update assigned portion of exhibit C1 of PG&E 3rd monthly fee application to include data received from professionals as of 6/18/19.,	5.9	\$ 150.00	\$ 885.00
Monica Plangman	06/18/19	Associate director review of expenses and concurrently provide comments.	2.2	\$ 212.50	\$ 467.50
Celeste Campbell	06/18/19	Update summary exhibits for 3rd fee statement to include professionals new to Asset Management Services team inclusive of title, standard rate and discounted rate cross-referencing to governing CWA based on services provided. (1.9)	1.9	\$ 162.50	\$ 308.75
Celeste Campbell	06/18/19	Prepare Exhibit C2 of 3rd fee statement, utilizing detail provided.	0.5	\$ 162.50	\$ 81.25
Kyle McNamara	06/18/19	Director review of Exhibit C1 of 2nd fee statement in advance of partner review.	0.5	\$ 435.00	\$ 217.50
Celeste Campbell	06/18/19	Create review workbook of 2nd fee statement summary exhibits for K. Ruiz (KPMG) in advance of G. Armstrong partner review (.4)	0.4	\$ 162.50	\$ 65.00
Celeste Campbell	06/18/19	Begin updating summary exhibits for 3rd to include professionals new to team inclusive of title, standard rate and discounted rate cross-referencing to governing CWA based on services provided. (.4)	0.4	\$ 162.50	\$ 65.00
Celeste Campbell	06/18/19	Email B. Markell (FE) regarding providing data in Excel format as opposed to LEDEs. (.1)	0.1	\$ 162.50	\$ 16.25

EXHIBIT C8

PG&E Corporation and PG&E Company, et.al.
Case No. 19-30088
 Fee Application Preparation Services
 June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Rate	Amount
Juanita Garza	06/19/19	Continue, as of 06/19/19, to prepare assigned portion of Exhibit C8 - Main for inclusion in third monthly fee statement. (.9) Continue, as of 06/19/19, to prepare assigned portion of Exhibit C8 - Task 3 for inclusion in third monthly fee statement. (3.9) Continue, as of 06/18/19, to prepare assigned portion of Exhibit C8 - Task 4 for inclusion in third monthly fee statement.	4.8	\$ 137.50	\$ 660.00
Celeste Campbell	06/19/19	Continue, as of 6/19, preparing designated portion of Exhibit C1 of 3rd fee statement (4.2)	4.2	\$ 162.50	\$ 682.50
Juanita Garza	06/19/19	(.3) Continue, as of 06/19/19, to prepare assigned portion of Exhibit C8 - Task 2 for inclusion in third monthly fee statement. (3.2)	3.5	\$ 137.50	\$ 481.25
Wendy Shaffer	06/19/19	0.3 Updated designated portion of exhibit C1 of PG&E 3rd monthly fee application to include data received from professionals as of 6/19/19;	0.3	\$ 150.00	\$ 45.00
Celeste Campbell	06/19/19	Finalize Exhibit C3 of 2nd fee statement to send to D. Smith, K. Markgraf (KPMG) for review /approval in advance of partner review.	0.2	\$ 162.50	\$ 32.50
Juanita Garza	06/20/19	Continue, as of 06/20/19, to prepare assigned portion of Exhibit C8 - Task 4 for inclusion in third monthly fee statement. (.3) Continue, as of 06/20/19, to prepare assigned portion of Exhibit C8 - Task 2 for inclusion in third monthly fee statement. (2.2) Update, as of 06/20/19, the AMS - Main assigned portion of Exhibit D1 with additional detail from professionals for inclusion in third monthly fee statement. (.2) Update, as of 06/20/19, the AMS - Task 3 assigned portion of Exhibit D1 with additional detail from professionals for inclusion in third monthly fee statement. (.4) Update, as of 06/20/19, to prepare AMS - Task 4 assigned portion of Exhibit D1 for inclusion in third monthly fee statement. (.9) Update, as of 06/20/19, the AMS - Task 2 assigned portion of Exhibit D1 for inclusion in third monthly fee statement. (.8)	4.8	\$ 137.50	\$ 660.00
Juanita Garza	06/20/19	Continue, as of 06/20/19, to prepare assigned portion of Exhibit C8 - Main for inclusion in third monthly fee statement. (.6) Continue, as of 06/20/19, to prepare assigned portion of Exhibit C8 - Task 3 for inclusion in third monthly fee statement. (2.6)	3.2	\$ 137.50	\$ 440.00
Celeste Campbell	06/20/19	Finalize Exhibit C1 of 2nd fee statement in preparation for partner review.	1.2	\$ 162.50	\$ 195.00
Celeste Campbell	06/20/19	Prepare Exhibit C8 for 2nd fee statement (1.1); Email Exhibit C8 to M. Plangman (KPMG) for review as required in advance of filing (.1)	1.2	\$ 162.50	\$ 195.00
Monica Plangman	06/20/19	Associate director review of C8 exhibit and concurrently provide comments	0.8	\$ 212.50	\$ 170.00
Wendy Shaffer	06/20/19	0.8 Updated designated portion of exhibit C1 of PG&E 3rd monthly fee application to include data received from professionals as of 6/20/19;	0.8	\$ 150.00	\$ 120.00

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PG&E Corporation and PG&E Company, et.al.
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 Fee Application Preparation Services
 June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Rate	Amount
Celeste Campbell	06/20/19	Review LEDES alternative Excel file format provided (.1) Follow-up with T. Gallegos (FE) regarding timing of file submissions, protocol document (.1)	0.2	\$ 162.50	\$ 32.50
Celeste Campbell	06/20/19	Additional follow-up with B. Markell (FE) regarding acceptable file format in lieu of LEDES (.1)	0.1	\$ 162.50	\$ 16.25
Juanita Garza	06/21/19	Continue, as of 06/21/19, to prepare assigned portion of Exhibit C8 - Main for inclusion in third monthly fee statement. (.4) Continue, as of 06/21/19, to prepare assigned portion of Exhibit C8 - Task 3 for inclusion in third monthly fee statement. (1.7) Continue, as of 06/21/19, to prepare assigned portion of Exhibit C8 - Task 4 for inclusion in third monthly fee statement. (.2) Continue, as of 06/21/19, to prepare assigned portion of Exhibit C8 - Task 2 for inclusion in third monthly fee statement. (1.4) Begin to pull receipts per request of fee examiner - AMS - Main (.6)	4.3	\$ 137.50	\$ 591.25
Celeste Campbell	06/21/19	Finalize Exhibit C2 of 2nd fee statement in advance of providing to partner for review/approval	1.3	\$ 162.50	\$ 211.25
Celeste Campbell	06/21/19	Address M. Plangman (KPMG) comments relating to Exhibit C8 of 2nd fee statement (.2); Update D1 of 2nd fee statement to address M. Plangman (KPMG) comments (.3); Draft status email to G. Armstrong (KPMG) regarding 2nd and 3rd fee statements, review timeline, etc. (.2)	0.7	\$ 162.50	\$ 113.75
Celeste Campbell	06/21/19	Finalize Exhibit C2 of 3rd fee statement for Data Security services in advance of team review/sign-off (.6)	0.6	\$ 162.50	\$ 97.50
Celeste Campbell	06/21/19	Finalize Exhibit C2 for partner review (.3), draft explanatory email with review request to M. Gomez (.2) to send along with final review workbook.	0.5	\$ 162.50	\$ 81.25
Monica Plangman	06/21/19	Continue associate director review of C8 exhibit and concurrently provide comment 0.3; transmit file to C Campbell 0.1	0.4	\$ 212.50	\$ 85.00
Celeste Campbell	06/21/19	Email T. Sedgwick, J. Conkel (KPMG) regarding client approval of deliverables in June to determine amounts to request in fee statement (.1)	0.1	\$ 162.50	\$ 16.25
Juanita Garza	06/22/19	Extract Receipts for Fee Examiner (.5) Main (.1) Task 4 (.3) Task 1 (.2) Task 2. Continue, as of 06/22/19, to prepare AMS - Main assigned portion of Exhibit D1 for inclusion in third monthly fee statement. (.1) Continue, as of 06/22/19, to prepare AMS - Task 3 assigned portion of Exhibit D1 for inclusion in third monthly fee statement. (.2) Continue, as of 06/22/19, to prepare AMS - Task 1 assigned portion of Exhibit D1 for inclusion in third monthly fee statement. (.6) Continue, as of 06/22/19, to prepare AMS - Task 2 assigned portion of Exhibit D1 for inclusion in third monthly fee statement. (.5)	2.6	\$ 137.50	\$ 357.50

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PG&E Corporation and PG&E Company, et.al.

Case No. 19-30088

Fee Application Preparation Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Rate	Amount
Juanita Garza	06/23/19	Continue, as of 06/23/19, to prepare AMS - Main assigned portion of Exhibit D1 for inclusion in third monthly fee statement. (.4) Continue, as of 06/23/19, to prepare AMS - Task 3 assigned portion of Exhibit D1 for inclusion in third monthly fee statement. (.8) Continue, as of 06/22/19, to prepare AMS - Task 1 assigned portion of Exhibit D1 for inclusion in third monthly fee statement. (1.9) Continue, as of 06/22/19, to prepare AMS - Task 2 assigned portion of Exhibit D1 for inclusion in third monthly fee statement. (1.7)	4.8	\$ 137.50	\$ 660.00
Wendy Shaffer	06/23/19	1.0 Updated designated portion of exhibit C1, as of 6/23, of PG&E 3rd monthly fee application to send to C. Campbell for incorporation into master fee statement.	1.0	\$ 150.00	\$ 150.00
Celeste Campbell	06/23/19	Transfer selected expenses to unbilled D1 of 2nd fee statement based on M. Plangman (KPMG) comments (.2)	0.2	\$ 162.50	\$ 32.50
Juanita Garza	06/23/19	Continue, as of 06/23/19, to prepare specific assigned portion of Exhibit D1 for inclusion in third monthly fee statement.	0.2	\$ 137.50	\$ 27.50
Celeste Campbell	06/23/19	Follow-up M. Gomez (KPMG) regarding partner approval to file of Exhibit C2 of 2nd fee statement.	0.1	\$ 162.50	\$ 16.25
Juanita Garza	06/24/19	Continue, as of 06/24/19, to prepare AMS - Task 3 assigned portion of Expenses Exhibit for inclusion in third monthly fee statement. (1.5) Continue, as of 06/24/19, to prepare AMS - Task 1 assigned portion of Expenses Exhibit for inclusion in third monthly fee statement. (3.8)	5.3	\$ 137.50	\$ 728.75
Juanita Garza	06/24/19	Begin to prepare AMS - Task 3 assigned portion of C1 Exhibit for inclusion in fourth monthly fee statement. (3.6) Continue, as of 06/24/19, to prepare AMS - Main assigned portion of Expenses Exhibit for inclusion in third monthly fee statement. (.7)	4.3	\$ 137.50	\$ 591.25
Celeste Campbell	06/24/19	2.7 Continue, as of 6/24, preparation of designated portion of Exhibit C1 of 2nd fee statement	2.7	\$ 162.50	\$ 438.75
Monica Plangman	06/24/19	Associate Director review of Exhibit C1 of 2nd Fee Statement and concurrently provide comments.	1.8	\$ 212.50	\$ 382.50
Juanita Garza	06/24/19	Continue, as of 06/24/19, to prepare Data Security assigned portion of Exhibit D1 for inclusion in third monthly fee statement.	1.2	\$ 137.50	\$ 165.00
Celeste Campbell	06/24/19	.7 Finalize 2nd fee statement exhibits in preparation for filing ; .3 Prepare narrative to accompany 2nd fee statement	1.0	\$ 162.50	\$ 162.50
Juanita Garza	06/24/19	Continue, as of 06/24/19, to prepare 2019 DS assigned portion of Expenses Exhibit for inclusion in third monthly fee statement.	0.7	\$ 137.50	\$ 96.25
Monica Plangman	06/24/19	Review Fee Examiner Draft Protocol to determine go-forward procedures during preparation of future fee applications.	0.3	\$ 212.50	\$ 63.75

EXHIBIT C8

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Name	Date	Description	Hours	Rate	Amount
Juanita Garza	06/25/19	Continue, as of 06/25/19, to prepare AMS - Main assigned portion of Expenses Exhibit for inclusion in third monthly fee statement. (.7) Continue, as of 06/25/19, to prepare AMS - Task 3 assigned portion of Expenses Exhibit for inclusion in third monthly fee statement. (1.4) Continue, as of 06/24/19, to prepare AMS - Task 1 assigned portion of Expenses Exhibit for inclusion in third monthly fee statement. (3.6)	5.7	\$ 137.50	\$ 783.75
Celeste Campbell	06/25/19	Continue, as of 6/25, preparation of designated portion of Exhibit C1 of 2nd fee statement	4.3	\$ 162.50	\$ 698.75
Celeste Campbell	06/25/19	Continue, from earlier on 6/25, preparation of designated portion of Exhibit C1 of 2nd fee statement	3.6	\$ 162.50	\$ 585.00
Juanita Garza	06/25/19	Continue, as of 06/25/19, to prepare Data Security assigned portion of Exhibit D1 for inclusion in third monthly fee statement.	1.6	\$ 137.50	\$ 220.00
Monica Plangman	06/25/19	Associate director review including expenses (0.5) and Exhibit C8 (0.2); surface concerns with S. Carlin regarding knowledge transfer 0.2	0.9	\$ 212.50	\$ 191.25
Celeste Campbell	06/25/19	. 4 Finalize Exhibit C1 file for M. Plangman (KPMG) review as required for approval to file; . 2 Update 2nd monthly narrative with revised numbers; .1 Email Final files for 2nd to M. Plangman (KPMG) for review in advance of filing	0.7	\$ 162.50	\$ 113.75
Juanita Garza	06/25/19	Continue, as of 06/25/19, to prepare 2019 DS assigned portion of Expenses Exhibit for inclusion in third monthly fee statement.	0.4	\$ 137.50	\$ 55.00
Celeste Campbell	06/25/19	. 3 Update Exhibit D1 of 2nd fee statement with additional information provided as of 6/25	0.3	\$ 162.50	\$ 48.75
Monica Plangman	06/25/19	Continue associate director review of C1 of 2nd fee statement and concurrently provide comments	1.0	\$ 212.50	\$ 212.50
Juanita Garza	06/26/19	Continue, as of 06/26/19, to prepare Task 1 assigned portion of Exhibit D1 for inclusion in third monthly fee statement. (3.8)	3.8	\$ 137.50	\$ 522.50
Wendy Shaffer	06/26/19	(0.2) updated designated portion of exhibit C8 of PG&E June monthly fee application to include data received from professionals as of 6/26/19; (2.2) updated designated portion of exhibit C2 of PG&E June monthly fee application to include data received from professionals as of 6/26/19.	2.4	\$ 150.00	\$ 360.00
Juanita Garza	06/26/19	Continue, from earlier on 06/26/19, to prepare Task 1 assigned portion of Exhibit D1 for inclusion in third monthly fee statement. (2.0)	2.0	\$ 137.50	\$ 275.00
Juanita Garza	06/26/19	Continue, as of 06/26/19, to prepare Task 3 assigned portion of Exhibit D1 for inclusion in third monthly fee statement (1.9)	1.9	\$ 137.50	\$ 261.25
Celeste Campbell	06/26/19	Continue, as of 6/26, preparation of designated portion of Exhibit C1 of 3rd fee statement	1.2	\$ 162.50	\$ 195.00

EXHIBIT C8

PG&E Corporation and PG&E Company, et.al.
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Name	Date	Description	Hours	Rate	Amount
Monica Plangman	06/26/19	Continue associate director review including revisions to Exhibit A and C1 to include footnote and corresponding language 0.3; transmit emails with C Campbell and S. Carlin regarding same 0.2; transmit relevant data regarding same 0.1; additional review of 2nd fee statement and provide comments 0.2	0.8	\$ 212.50	\$ 170.00
Celeste Campbell	06/26/19	.1 Email finalized 2nd monthly fee statement exhibits to M. Plangman (KPMG) for review in advance of lead partner review/approval to file. ; .3 Update 2nd monthly narrative to reflect final numbers; .2 Draft email to G. Armstrong (KPMG) with files, request for review / approval to file.	0.5	\$ 162.50	\$ 81.25
Juanita Garza	06/27/19	Continue, as of 06/27/19, to prepare Task 1 assigned portion of Exhibit D1 for inclusion in third monthly fee statement. (2.3) Continue, as of 06/27/19, to prepare Task 3 assigned portion of Exhibit D1 for inclusion in third monthly fee statement (.8) Continue, as of 06/27/19, to prepare Task 1 assigned portion of Exhibit D1 for inclusion in third monthly fee statement. (.4)	3.5	\$ 137.50	\$ 481.25
Wendy Shaffer	06/27/19	3.4 Updated designated portion of exhibit C1 of PG&E 3rd monthly fee application as of 6/27;	3.4	\$ 150.00	\$ 510.00
Celeste Campbell	06/27/19	3.0 Continue, as of 6/27, to prepare designated portion of Exhibit C1 of 3rd fee statement (Task 1)	3.0	\$ 162.50	\$ 487.50
Wendy Shaffer	06/27/19	1.6 Continued, from earlier on 6/27, to update designated portion of exhibit C1 of PG&E June monthly fee application to include data received from professionals as of 6/27/19.	1.6	\$ 150.00	\$ 240.00
Celeste Campbell	06/27/19	. 9 Finalize 2nd fee statement narrative in preparation for filing. ; .1 Email 2nd fee statement to L. Carens (WG) to request filing and service. .2 Communicate via L. Carens (WG) regarding interim and timing of monthly fee statements.	1.2	\$ 162.50	\$ 195.00
Celeste Campbell	06/27/19	Begin transferring 1st monthly fee statement data to required Excel format to comply with Fee Examiner specific requirements in required Excel format	1.0	\$ 162.50	\$ 162.50
Juanita Garza	06/27/19	Continue, as of 06/27/19, to prepare Data Security assigned portion of Exhibit D1 for inclusion in third monthly fee statement.	0.7	\$ 137.50	\$ 96.25
Monica Plangman	06/27/19	Final associate director review of 2nd fee statement and provide approval.	0.4	\$ 212.50	\$ 85.00
Juanita Garza	06/27/19	Continue, as of 06/27/19, to prepare 2019 DS assigned portion of Exhibit D1 for inclusion in third monthly fee statement.	0.4	\$ 137.50	\$ 55.00
Celeste Campbell	06/28/19	Continue, as of 6/28, to populate Fee Examiner data spreadsheet template with 1st fee statement data also adding additional requested data points	3.2	\$ 162.50	\$ 520.00

EXHIBIT C8**PG&E Corporation and PG&E Company, et.al.****Case No. 19-30088**

Fee Application Preparation Services

June 1, 2019 through June 30, 2019

Name	Date	Description	Hours	Rate	Amount
Celeste Campbell	06/28/19	.2 Email retention order, 1st filed fee statement , data file and receipts to B. Markell (Fee Examiner); . 1 Access docket, pull down 2nd filed fee statement. .1 Email T. Gallegos (FE) regarding timing of providing data in requested format for 1st fee statement; .1 call with J. Garza (KPMG) regarding zip file of receipts to provide to Fee Examiner (FE)	0.5	\$ 162.50	\$ 81.25
Wendy Shaffer	06/28/19	0.4 updated designated portion of exhibit C8 of PG&E 4th monthly fee application to include data received from professionals as of 6/28/19;	0.4	\$ 150.00	\$ 60.00
Total Fee Application Preparation Services			256.8		\$ 39,207.25